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**FEEDING STUFFS REPORT**  
**1932**

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JOHN A. McSPARRAN, *Secretary of Agriculture*

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# FEEDING STUFFS REPORT

## 1932

### INTRODUCTION

The Feeding Stuffs Law, Act of May 3, 1909, as amended, regulates the manufacture and sale of Commercial Feeding Stuffs, prohibits misbranding and adulteration and requires registration of each brand or kind for each calendar year and before being offered for sale. All sacks or attached cards are required to be printed with brand or trade names, names of manufacturers or importers, guarantees for protein, fat and fiber and the names of each ingredient of which mixtures are composed and in the case of by-product feeds statements of composition. Feeding Stuffs are defined as including all by-product materials, mixed feeds and mineral mixtures intended for feeding domestic animals, and poultry, and including small animals, such as dogs, cats, foxes and rabbits. Provision is made for enforcement by authorizing inspection of sales, the collection and analyses of official samples, and the publication of results of analyses for the information of the public.

Provision is also made for analyses of special samples for a fee of \$1.00 each for residents of Pennsylvania.

During 1932 Special Agents of the Bureau submitted for examination, together with reports, showing labeling and sales conditions, 1,065 official samples of Feeding Stuffs. Of this number 997, representing registered brands, were analyzed chemically and microscopically in order to determine whether or not brand names, guarantees and claimed compositions were correct or if they contained materials classified as adulterants. There were also 495 special samples, accompanied by a fee of \$1.00 each, submitted by residents of the State and these samples were analyzed, reports of results obtained mailed to the senders, and the fees paid to the Comptroller as required. The official and special Feeding Stuffs examined during the year totalled 1,492 samples. The official samples represented 708 different kinds and brands of Feeding Stuffs, registered by 237 manufacturing, importing and jobbing firms, and included 21 classes of materials, which, together with the number of samples in each, were as follows:

Classes	Samples
Oil Cake By-Products .....	58
Distillery and Brewery By-Products .....	10
Maize By-Products .....	39
Wheat Offal .....	192
Rye Offal .....	3
Oat By-Product .....	16
Alfalfa Meal .....	15
Dried Beet Pulp .....	8
Proprietary Dairy Feed .....	226
Proprietary Stock, Horse and Mule Feed .....	53
Proprietary Calf Meal .....	8
Proprietary Swine Feed .....	36
Proprietary Chop Feed .....	51
Proprietary Poultry Scratch Feed .....	128
Proprietary Poultry Mash Feed .....	209
Proprietary Small Animal Feed .....	11
Milk By-Product .....	34
Miscellaneous Feed .....	7
Animal By-Product .....	37
Total .....	1,141

## BRANDS REGISTERED

Each kind of Feeding Stuffs offered for sale during each calendar year or portion of a year is required to be registered on or before January first or before being placed on sale. The license fee is \$25.00 for each kind and brand of by-product and mixed feed, and \$6.00 each in the case of Pure Wheat, Pure Rye and Pure Buckwheat, Offal Mill Feeds, including Pure Bran and Middlings, Pure Corn Meal, made by grinding and bolting corn, and Pure Corn and Oats Chop. There were 3,913 kinds and brands of Feeding Stuffs registered for 1932 sales and 1,287 licenses were issued to 1,035 manufacturing, importing and jobbing firms.

## CONCLUSIONS

The 997 official samples were analyzed for protein, fat and fiber and they represented 966 guaranteed shipments. Of this number 101, or 10.1 per cent., were deficient in protein or fat or both and contained fiber in excess of the tolerances provided for by the law. Of those which failed to meet guarantees only 5, or 0.5 per cent., were deficient in protein, 64, or 6.4 per cent., were deficient in fat and 39, or 4.0 per cent., exceeded guarantees for fiber.

Of the total samples and brands represented more than one-half, or 513 samples and 413 brands, were Proprietary Mixed Feeds. The proportion of deficiencies in these mixed feeds was low, the guarantees being well sustained. The largest number of deficiencies was in the case of the Dairy Feeds in which there were 15 samples deficient in fat and 10 contained excessive fiber.

All of the samples were examined microscopically for correctness of composition and claimed ingredients, and the results showed that with only a few exceptions the By-Products Feeds were correctly guaranteed and found to be "As Certified." Of the Proprietary Mixed Feeds there were 39 of the Dairy Feeds, 10 of the Horse and Mule Feeds, 10 of the Swine Feeds, 6 of the Poultry Scratch Feeds, 28 of the Poultry Mash Feeds and 2 of the Small Animal Feeds, or a total of 95, which were not found to be "As Certified," compared with claimed compositions.

While about one-fifth of the Mixed Feeds were not completely correct with respect to their certified compositions, as many of the variations were minor in character, it can be reported that these classes of mixtures were in the main correctly guaranteed, and that the Feeding Stuffs sold during 1932, as represented by the shipments examined, were largely correctly guaranteed and labeled.

The retail selling values for the several classes of Proprietary Mixed Feeds reported as representing the shipments in 1932 for the samples submitted, all show decreases in price compared with those prevailing and reported for 1931. The respective 1931 and 1932 retail selling values for the several classes of Proprietary Mixed Feeds were as follows: Dairy Feed, \$37.16—\$28.05; Stock, Horse and Mule Feed, \$36.00—\$29.72; Calf Meal, \$73.40—\$32.00; Swine Feed, \$42.66—\$32.79; Poultry Scratch Feed, \$40.92—\$29.74; Poultry Mash Feed, \$49.36—\$38.59. The average analysis of each class of Feeding Stuffs has remained fairly constant for a period of several years. The results of average analyses, together with the average retail selling values, will be found in Table I.

Table I, which follows, includes a classification of the Feeding Stuffs examined; the number of samples and brands analyzed and guaranteed; the average analyses for protein, fat and fiber, and the average retail selling values for each class; the number of samples deficient in protein and fat and those containing excessive fiber compared with their guarantees.





## KEY TO TABLE II SHOWING ANALYSES OF OFFICIAL SAMPLES

Each sample received was analyzed for protein, fat and fiber and examined microscopically in order to determine the correctness of guarantees and lists of ingredients and for the purpose of detecting the presence of inferior or prohibited materials. In order to economize, a change has been made in the method of preparing Table II so that instead of detailed analyses of each separate sample examined the results of single samples of the same brand and kind are included with averages of two or more. Averages of brands and classes are not shown, but will be found in Table I. The results are tabulated according to the classification shown in Table I, and brand names and names and addresses of manufacturers and importers are shown in alphabetical order under each classification. The names of selling agents or retailers are omitted, together with the column showing lists of ingredients and compositions found upon sacks or attached cards.

Each sample was given a Chemist's number, which will be found in parentheses after the brand or trade names. Statements as to the composition found by microscopical examination are included, showing in the case of those feeds where the compositions were found to be correct that they were "As Certified." Where variations occurred compared with claims made statements as to the findings appear.

The several classes of Feeding Stuffs as shown in Table I are classified under the following general headings and sub-headings:

**OIL CAKE PRODUCT** including Cottonseed Meal, Linseed Oil Meal, Cocoannt Oil Meal, Soybean Oil Meal and Corn-Oil Meal.

**DISTILLERY AND BREWERY BY-PRODUCT** inclnding Distillers' Dried Grains, and Brewers' Dried Grains.

**MAIZE BY-PRODUCT** including Corn Gluten Meal, Corn Gluten Feed, Corn Glnten Feed Sweetened, Hominy Feed, Corn Meal and Corn Feed Meal.

**WHEAT OFFALS** (with or without Ground Grain Screenings) including Wheat Bran, Mixed Feed:—Wheat By-Products, Standard Middlings, Flour Middlings, Germ Middlings, White Shorts, Brown Shorts, Gray Shorts and Low Grade Flour.

**BARLEY BY-PRODUCT** including Barley Feed.

**RYE OFFALS** including Rye Middlings and Rye Feed.

**OAT BY-PRODUCT** including Oat Meal and Oat Feed.

**ALFALFA MEAL.**

**DRIED BEET PULP.**

**PROPRIETARY MIXED FEEDS** including Dairy Feed, Stock, Horse and Mule Feed, Calf Meal, Swine Feed, Chop Feed, Poultry Scratch Feed and Mash Feed and Small Animal Feed, Corn and Oats Chop.

**MILK BY-PRODUCT** including Semisolid Buttermilk, Dried Buttermilk, Semisolid Skimmilk and Dried Skimmilk.

**MISCELLANEOUS FEED.**

**ANIMAL BY-PRODUCT** including Meat and Bone Scrap, Blood and Tankage.

**MARINE BY-PRODUCT** inclnding Fish Meal and Crab Meal.

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
<u>OIL CAKE PRODUCT</u>							
<u>Cottonseed Meal</u>							
ASHCRAFT-WILKINSON CO., Atlanta, Ge. Helmet Brand Prime (1379; 1399; 1550; 1579; 1811; 1867; 2073)	41.51 43.13	41.00 43.00	6.87 7.14	5.50 5.50	9.56 7.89	10.00 10.00	As Certified As Certified
Monarch Brand Prime (1412; 1438)							
BUCKEYE COTTON OIL CO., Cincinnati, Ohio Buckeye 43% (1973)	42.25	43.00	7.52	6.00	9.38	10.00	As Certified
CAIRO MEAL & CAKE CO., Cairo, Ill. Miss Ceiro Brand 41% (1927; 1930; 1964; 2093; 2155; 2176)	41.61 42.38	41.00 43.00	7.36 7.89	6.00 6.00	9.54 8.73	10.00 10.00	As Certified As Certified
Miss Ceiro Brand 43% (1519)							
S. P. DAVIS, Little Rock, Arkansas Goodluck Brand 41% (1342; 1720; 2187) Steerboy Brand 43% (1698; 1981)	40.00 42.94	41.00 43.00	6.62 6.72	6.00 6.00	10.38 9.15	10.00 10.00	As Certified As Certified
EASTERN COTTON OIL CO., Norfolk, Va. Dutch Maid (1537)	41.25	41.00	6.23	5.50	10.79	10.00	As Certified
HUMPHREYS-GODWIN CO., Memphis, Tenn. Bull Brand (1296; 2320) Dixie Brand (1267; 1459; 2212; 2232; 2307)	42.94 41.72	43.00 41.00	7.11 6.79	5.00 5.00	8.77 9.32	11.00 12.00	As Certified As Certified
THE LARROWE MILLING CO., Detroit, Mich. Prime Quality (2091; 2220; 2224)	41.94	41.00	6.78	6.00	8.53	10.00	As Certified
L. B. LOVITT & CO., Memphis, Tenn. Lovit Brand 41% (1307; 1341; 1461; 1529; 1578; 1632; 1824; 2115; 2159) Lovit Brand 43% (1268)	41.54 43.88	41.00 43.00	6.83 6.86	6.00 6.00	8.65 7.68	10.00 10.00	As Certified As Certified
MISSOURI COTTON OIL CO., Cairo, Ill. Mo-Co Brand Prime 43% (2185)	43.44	43.00	7.80	5.50	8.87	12.00	As Certified
NATIONAL COTTONSEED PRODUCTS CORPORATION, Memphis, Tenn. Ster Brand (1918)	40.94	41.00	6.84	5.50	10.37	10.00	As Certified
PERKINS OIL CO., Memphis, Tenn. Goldenrod Brand (1857)	40.06	41.00	6.57	5.00	11.14	10.00	As Certified
FURINA MILLS, St. Louis, Mo. 41% Protein (1509)	40.50	41.00	6.96	5.00	9.66	11.00	As Certified
Average	41.73	----	6.95	----	9.22	----	
<u>Linseed Oil Meal</u>							
ARCHER-DANIELS MIDLAND CO., Minneapolis, Minn. Pure O. P. Linseed Oil Meal (1443; 1730; 1976; 2106; 2183)	37.78	37.00	4.86	4.50	8.01	9.00	As Certified
BISBEE LINSEED CO., Chicago Heights, Illinois Bisbee Brand Pure Old Process Linseed Meal (1501; 2062)	35.16	34.00	7.06	6.00	7.36	10.00	As Certified
KELLOGG & MILLER INC., Amsterdam, N.Y. K & M Brand Pure Old Process Linseed Oil Meal 34% (2318)	37.94	34.00	5.41	5.00	8.13	9.00	As Certified
SPENCER KELLOGG & SONS, INC., Buffalo, New York Kellogg's Pure Old Process Linseed Meal 37% (1672; 2113)	39.35	37.00	5.54	5.00	6.94	10.00	As Certified
J. T. LEWIS & BROTHERS CO., Philadelphia, Pa. Old Process Linseed Meal (1474)	33.00	34.00	6.26	5.00	8.58	10.00	As Certified
THE MANN BROTHERS CO., Buffalo, N.Y. O. P. Linseed Meal (1299)	37.56	34.00	6.84	6.00	7.13	10.00	As Certified
PITTSBURGH PLATE GLASS CO., Newark, N. J. Red Wing Linseed Meal (1814)	34.75	34.00	6.79	5.00	8.22	9.00	As Certified
THE SHERWIN-WILLIAMS CO., Cleveland, Ohio SWC Linseed Oil Meal (1397; 1473; 1522; 1557; 1573; 2309)	38.86 37.59	34.00 ----	6.08 5.85	5.00 ----	7.63 7.71	10.00 ----	As Certified
Average							
<u>Cocoanut Oil Meal</u>							
PROCTOR & GAMBLE, Cincinnati, Ohio Cocoanut Oil Meal (1954)	22.69	20.00	5.47	6.00	8.51	11.00	As Certified
<u>Soybean Oil Meal</u>							
ARCHER-DANIELS MIDLAND CO., Minneapolis, Minn. Soybean Oil Meal (1346; 1440; 1558; 2138; 2223)	42.60	41.00	5.15	4.50	5.96	7.00	As Certified
THE BUCKEYE COTTON OIL CO., Cincinnati, Ohio Soybean Oil Meal (1953)	44.06	41.00	5.59	4.50	6.39	7.00	As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
EASTERN COTTON OIL CO., Norfolk, Va. Eastern Soya Bean Meal (1893)	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
	48.88	48.00	6.75	5.50	5.30	8.00	As Certified
SHELLANBARGER ORAIN PRODUCTS CO., Decatur, Ill. Shellanbarger's Cooked Soybean Oil Meal (1874; 1864; 2308)	42.63	41.00	5.71	4.50	5.76	7.50	As Certified
SOY PRODUCTS INC., Chicago, Ill. Soybean Oil Meal (1860; 1893; 1915; 2037; 2079)	42.98	41.00	5.86	5.00	5.59	7.00	As Certified
A. E. STALEY MANUFACTURING CO., Decatur, Ill. Staley's Soybean Oil Meal (1335; 1492; 1986; 2023; 2177)	43.87	41.00	4.82	4.50	5.83	7.00	As Certified
Average	43.40	-----	5.43	-----	5.79	-----	
<u>Corn Oil Meal</u>							
A. E. STALEY MANUFACTURING CO., Decatur, Ill. Staley's Corn Oil Meal (1978)	21.13	18.00	5.45	5.00	10.81	10.00	As Certified
<u>DISTILLERY AND BREWERY BY-PRODUCT</u>							
<u>Distillers' Dried Grains</u>							
BADGER GRAINS & FEED CO., INC., Milwaukee, Wis. Flow Boy Dried Grains (1926)	21.63	20.00	8.37	7.00	14.90	18.00	As Certified
THE DEWEY BROTHERS CO., Blanchester, Ohio Dewey's 20% Dried Grain (2154)	24.69	20.00	6.47	6.00	14.81	19.00	As Certified
Eagle 3D (Dewey's Distillers Dried) Grains (1271)	31.50	30.00	11.16	10.00	7.93	13.00	As Certified
Average	25.94	-----	8.67	-----	12.54	-----	
<u>Brewers' Dried Grains</u>							
ALLIED MILLS, INC., Chicago, Ill. Brewers' Dried Grains (1439)	23.69	20.00	6.34	4.50	14.96	18.00	As Certified
BADGER GRAINS & FEED CO., INC., Milwaukee, Wis. Brewers' Dried Grains (1483)	26.50	20.00	5.88	5.00	14.00	19.00	As Certified
THE DEWEY BROTHERS CO., Blanchester, Ohio Dewey's Brewers Dried Grains (2094)	28.19	22.00	6.84	6.00	14.97	18.00	As Certified
DONAHUE-STRATTON CO., Milwaukee, Wis. Hi-Quality Brewers Dried Grains (1298)	23.88	20.00	4.66	5.00	15.46	19.00	As Certified
FARMERS FEED CO., Buffalo, N. Y. Bull Brand Dried Brewers Grains (2186; 2306)	28.26	24.00	6.93	6.00	14.17	17.00	As Certified
T. A. HAUSCHEL, Chicago, Ill. Brewers Dried Grains (1854)	19.75	21.00	5.09	6.00	17.27	18.00	As Certified
Average	25.50	-----	6.10	-----	16.00	-----	
<u>MAIZE BY-PRODUCT</u>							
<u>Corn Gluten Meal</u>							
CORN PRODUCTS REFINING CO., New York, N. Y. Diamond (1694; 1891; 1936; 1952; 2184; 2205; 2270)	43.55	40.00	2.00	1.00	2.41	4.00	As Certified
PENICK & FORD LTD., INC., Cedar Rapids, Iowa Douglas (1458)	42.94	40.00	2.26	1.00	3.82	4.00	As Certified
Average	43.47	-----	2.04	-----	2.58	-----	
<u>Corn Gluten Feed</u>							
AMERICAN MAIZE PRODUCTS CO., New York, N. Y. Cream of Corn (1441; 2231; 2322)	29.13	23.00	4.19	2.00	8.03	8.50	As Certified
CORN PRODUCTS REFINING CO., New York, N. Y. Buffalo (1269; 1493; 1556; 1582; 1812; 1932; 1957; 1985; 2039)	28.20	23.00	2.38	2.00	7.25	8.60	As Certified
THE HUBINGER CO., Keokuk, Iowa Keokuk (1508)	28.38	23.00	2.75	2.00	7.12	8.50	As Certified
PENICK & FORD LTD., INC., Cedar Rapids, Iowa Douglas (2197; 2216)	26.16	23.00	2.00	2.00	8.14	8.60	As Certified
A. E. STALEY MANUFACTURING CO., Decatur, Ill. Staley's (1613; 2112; 2193)	28.27	23.00	1.88	1.00	6.54	8.00	As Certified
UNION STARCH & REFINING CO., Columbus, Indiana Union (1442; 1472; 2286)	27.98	23.00	2.54	1.00	6.33	8.00	As Certified
Average	28.12	-----	2.67	-----	7.21	-----	



TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
<u>Corn Gluten Feed--Sweetened</u>	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
CORN PRODUCTS REFINING CO., New York, N. Y. Heavy Buffalo Sweetened (1810)	21.56	20.00	1.64	1.00	6.10	9.00	As Certified
<u>HOMINY FEED</u>							
DECATUR MILLING CO., Decatur, Ill. Homco (1400; 1555; 1873)	11.69	10.00	9.12	7.00	5.51	6.00	As Certified
KELLOGG CO., Sattle Creek, Michigan White (1263; 1876)	11.72	10.00	6.99	6.00	3.68	5.00	As Certified
CHAS. A. KRAUSE MILLING CO., Milwaukee, Wis. Sadger White (1858)	11.88	10.00	6.95	6.00	4.67	5.00	As Certified
POSTUM CO., INC., Sattle Creek, Mich. Burt's (1262)	12.00	10.00	7.74	6.00	4.41	5.00	As Certified
THE QUAKER OATS CO., Chicago, Ill. Yellow (2019; 2217; 2299)	11.44	9.50	6.52	4.00	4.11	5.00	As Certified
Average	11.68	-----	7.56	-----	4.53	-----	
<u>CORN MEAL</u>							
GEO. W. MOON & CO., Singhamton, N.Y. Moon's Yellow Bolted Table Meal (2130)	9.25	10.00	5.26	3.00	1.16	3.50	As Certified
SPRUCE CREEK MILLS, Spruce Creek, Pa. Corn Meal (1289)	8.13	-----	3.96	-----	1.39	-----	As Certified
Average	8.69	-----	4.61	-----	1.27	-----	
<u>CORN FEED MEAL</u>							
ALLIED MILLS, INC., Chicago, Ill. Corn Feed Meal (1967)	11.13	9.00	4.73	4.00	2.87	5.00	As Certified
COOPERATIVE G.L.F. MILLS, INC., Buffalo, N. Y. Corn Feed Meal (2134)	10.88	9.00	5.28	3.00	2.62	3.00	As Certified
KASCO MILLS, Toledo, Ohio Kasco Corn Feed Meal (2213)	11.75	-----	7.26	-----	3.04	-----	As Certified
Average	11.25	-----	5.76	-----	2.84	-----	
<u>WHEAT OFFAL</u>							
<u>Wheat Bran</u>							
(With and Without Ground Grain Screenings)							
ACME EVANS CO., Indianapolis, Indiana Acme Pure Bran (2162)	15.81	15.50	4.05	3.75	9.67	10.00	As Certified
ALLIED MILLS, INC., Chicago, Ill. Pure Wheat Bran (1581)	15.63	14.50	4.43	3.50	9.51	11.00	As Certified
GAY STATE MILLING CO., Winona, Minn. Wingold Pure Hard Wheat Bran (1348)	17.75	14.50	5.60	4.75	10.08	13.00	As Certified
SLAINE, MACKAY, LEE CO., North East, Pa. Pure Wheat Bran with Mill Run Screenings (2052)	17.31	15.00	5.79	4.00	11.00	9.00	As Certified
D. G. BRANDT & SONS, Annville, Pa. Pure Winter Wheat Bran (1408)	16.06	15.00	4.40	3.00	8.12	10.00	As Certified
THE BUCKEYE CEREAL CO., Maseillon, Ohio Pure Wheat Bran (1421; 1715)	18.10	15.00	4.88	4.50	8.27	12.00	As Certified
CANNON VALLEY MILLING CO., Cannon Falls, Minn. Cannon Valley Pure Wheat Bran (2068)	18.75	15.00	5.12	4.00	8.26	11.00	As Certified
CLINTONDALE MILLING CO., Clintondale, Pa. Wheat Bran (1302)	16.81	-----	3.37	-----	8.62	-----	As Certified
COMMERCIAL MILLING CO., Detroit, Mich. Extra Fancy Pure Spring Wheat Bran (2211)	18.69	16.00	5.09	3.50	8.54	11.00	As Certified
COOPERATIVE G.L.F. EXCHANGE, INC., Buffalo, N. Y. Wheat Bran with Ground Screenings not Exceeding Mill Run (1841)	17.82	14.00	6.01	3.50	9.55	12.00	As Certified
DULUTH SUPERIOR MILLING CO., Duluth, Minn. Duluth Imperial Wheat Bran (1575)	17.69	15.00	4.86	3.75	9.31	13.00	As Certified
Duluth Imperial Wheat Bran with Ground Screenings not exceeding Mill Run (2274)	18.56	15.00	4.98	3.75	9.36	13.00	As Certified
B. A. ECKHART MILLING CO., Chicago, Ill. Pure Wheat Bran (2165; 2226)	16.81	14.00	4.22	3.50	10.01	12.00	As Certified
JOHN W. ESHELMAN & SONS, Lancaster, Pa. Wheat Bran and Ground Wheat Screenings (1686)	16.75	14.50	4.13	3.50	8.47	11.00	As Certified
THE FAIRCHILD MILLING CO., Cleveland, Ohio Wheat Bran with Ground Screenings not Exceeding Mill Run (1721; 1882; 1963)	17.59	14.00	4.87	3.50	9.53	12.00	As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
THE HANLEY MILLING CO., Mansfield, Ohio Hanley's Pure Wheat Bran (1343)	15.06	14.00	3.94	3.00	10.21	12.00	As Certified
HECKER, JONES, JEWELL MILLING CO., Buffalo, N. Y. Choice Wheat Bran with Ground Screenings not exceeding Mill Run (1627)	16.94	13.50	4.61	3.50	10.42	14.00	As Certified
HOPFER & GARMAN, INC., Harrisburg, Pa. Pure Wheat Bran (1380)	17.38	14.50	4.09	5.00	8.07	9.00	As Certified
HUBBARD MILLING CO., Mankato, Minn. Mother Hubbard Wheat Bran (1411)	17.56	15.00	5.01	5.00	8.91	9.00	As Certified
J. F. DRES MILLING CO., St. Louis, Mo. Charm Pure Winter Wheat Bran (1790)	16.25	14.00	4.27	3.50	8.29	11.00	As Certified
INTERNATIONAL MILLING CO., Minneapolis, Minn. Blackhawk Pure Wheat Bran (1523; 1636; 1702; 1731; 2107)	17.64	15.00	4.77	3.20	8.90	12.00	As Certified
W. J. JENNISON CO., Minneapolis, Minn. Sweet Cream Pure Wheat Bran (2247)	17.00	15.00	5.23	4.00	10.82	12.00	As Certified
KING MIDAS MILL CO., Minneapolis, Minn. Clover Leaf Pure Wheat Bran (2088)	17.94	15.00	4.33	4.00	8.57	12.00	As Certified
KLEPNER BROTHERS, Martinsburg, Pa. Wheat Bran (2302)	16.44	14.00	3.74	3.50	9.14	10.00	As Certified
THE LARABEE FLOUR MILLS CO., Kansas City, Mo. Sunfed Bran (1886)	17.13	15.00	4.56	3.50	9.37	11.00	As Certified
Sunfed Winter Wheat Bran with Ground Wheat Screenings not to exceed Mill Run or 8% (2097)	17.19	15.00	4.85	3.50	8.42	11.00	As Certified
LEBANON MILLING CO., Lebanon, Pa. Wheat Bran (1538)	15.81	14.00	3.43	5.00	8.36	10.00	As Certified
LYONS & GREENLEAF CO., INC., Ligonier, Indiana Weeco Wheat Bran with Ground Wheat Screenings not exceeding Mill Run (2198)	14.56	14.50	3.60	4.00	9.38	10.00	As Certified
MAITLAND ROLLER MILLS, Maitland, Pa. Wheat Bran (1457)	18.56	-----	4.07	-----	6.59	-----	As Certified
MARTINSBURG MILLING CO., Martinsburg, Pa. Wheat Bran (2316)	15.13	14.00	3.26	4.25	9.56	10.39	As Certified
MAUSER MILL CO., Treichlers, Pa. Wheat Bran with Ground Screenings not Exceeding Mill Run (1855; 2118)	18.94	14.00	4.94	5.00	9.44	10.00	As Certified
MAYFLOWER MILLS, Fort Wayne, Indiana Mayflower Wheat Bran and Screenings (1462)	15.00	13.00	4.02	3.40	10.13	11.00	As Certified
THE MENNEL MILLING CO., Toledo, Ohio Memo Pure Wheat Bran (1337; 1580; 1861; 1948; 2055)	17.08	15.00	4.28	4.00	9.26	9.50	As Certified
TRE NATIONAL MILLING CO., Toledo, Ohio Pure Wheat Bran (1265; 1377; 1528; 1569; 1695; 1879; 2092; 2291)	16.80	14.00	4.08	3.00	9.49	10.00	As Certified
NORTHWESTERN ELEVATOR & MILLING CO., Mt. Vernon, Ohio Taylor's Pure Wheat Bran (1281)	16.31	13.00	4.07	3.00	9.49	12.00	As Certified
PILLSBURY MILLING CO., Minneapolis, Minn. Pillsbury's Herd Wheat Bran and Screenings (1427; 1668; 1727; 1788; 1977; 2063; 2221)	17.17	14.00	4.67	4.00	9.08	12.00	As Certified
RED BANK MILLS, INC., New Bethlehem, Pa. Red Bank Mills Pure Bran (1344; 1707)	18.94	15.00	5.24	4.00	8.27	10.00	As Certified
THE RICHARDS MILLING CO., Cortland, Ohio Pure Wheat Bran (1261; 1398; 1566; 1704; 2100)	15.94	14.00	4.64	4.50	9.02	10.00	As Certified
RUSSELL-MILLER MILLING CO., Minneapolis, Minn. Herd Wheat Occident Bran (1980)	18.31	14.00	5.91	4.00	9.40	11.50	As Certified
SOUTHWESTERN MILLING CO., INC., Kansas City, Mo. Red Turkey Pure Wheat Bran (1536)	17.75	14.50	4.02	3.50	8.52	11.00	As Certified
SPARKS MELTING CO., Alton, Ill. Try-Me Wheat Bran (2294)	19.00	15.00	4.20	3.50	6.28	10.00	As Certified
SPRUCE CREEK MILL, Spruce Creek, Pa. Pure Wheat Bran (1287)	16.69	-----	4.00	-----	8.59	-----	As Certified
I. D. STEHMAN, Mt. Joy, Pa. Mount Joy Pure Winter Wheat Bran (1547)	16.94	15.00	3.92	4.40	10.23	11.00	As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
P. W. STOCK & SONS, Hillsdale, Mich. Stock's Bran (1322; 1340; 14B1; 17SB; 19SB; 1970)	19.02	17.00	4.44	4.00	7.81	10.00	As Certified
C. F. & W. H. STRICKLER MILLING CO., Lebanon, Pa. Bran (1838)	17.06	18.00	8.01	4.00	9.89	12.00	As Certified
E. STRICKLER'S SONS, Lebanon, Pa. Pure Winter Wheat Bran (1832)	18.88	13-17	3.69	3-6	9.36	----	As Certified
SCOPE BROTHERS, Johnstown, Pa. Pure Wheat Bran (2244)	16.19	14.00	3.94	5.00	11.12	12.00	As Certified
THE TOLEDO GRAIN & MILLING CO., Toledo, Ohio Camp's Winter Wheat Bran (2086)	18.13	15.00	4.73	4.00	8.95	10.00	As Certified
J. H. TURNER, Muncy, Pa. Pure Wheat Bran (1701)	15.31	-----	3.01	----	7.94	----	As Certified
UNITED MILLS CO., INC., Orafton, Ohio U. M. C. Wheat Bran (2183; 2168; 2196)	14.98	15.00	3.70	4.00	9.97	10.00	As Certified
C. Y. WAGNER & CO., Bellefonte, Pa. Pure Winter Wheat Bran (1444)	15.25	14.00	3.67	3.80	8.43	9.00	As Certified
THE WARWICK CO., Maseillon, Ohio Pure Wheat Bran (2086)	18.63	14.00	3.99	2.78	9.10	10.00	As Certified
WASHBURN-CROSBY CO., Minneapolis, Minn. Washburn's Gold Medal Hard Wheat Bran and Screenings (1663; 2222)	16.47	14.00	4.43	4.00	9.90	12.00	As Certified
THE WEBER FLOUR MILLS CO., Salina, Kans. Tea Table Wheat Bran and Screenings (1637)	17.06	14.80	3.80	3.80	8.28	11.50	As Certified
THE WHEATENA CORPORATION, Highepire, Pa. Pure Winter Wheat Bran (1386)	16.50	14.00	3.61	3.00	8.63	11.00	As Certified
THE WHITE MILLING CO., Bloomsburg, Pa. Wheat Bran (1467)	15.38	----	3.95	----	8.14	----	As Certified
WOODBURY MILLING CO., Woodbury, Pa. Pure Wheat Bran (1971)	18.06	----	4.01	----	7.36	----	As Certified
Average	17.07	----	4.41	----	9.05	----	
<u>MIXED FEED--WHEAT BY-PRODUCTS</u>							
<u>(With and without Grain Screenings)</u>							
BUCKEYE CEREAL CO., Maseillon, Ohio Mixed Bran and Middlings (1875)	18.56	18.00	4.80	4.00	7.76	8.00	As Certified
THE LOUDONVILLE MILLING CO., Loudonville, Ohio Winter Wheat Mixed Feed with Ground Screenings not exceeding Mill Run (1868)	15.81	15.00	4.04	4.00	7.74	7.00	As Certified
QUAKER OATS CO., Chicago, Ill. Buckeye Feed (1946; 2216)	16.88	15.50	4.34	4.80	7.68	10.00	As Certified
THE RICHARDS MILLING CO., Cortland, Ohio Pure Wheat Mixed Feed (1260)	15.88	14.00	4.02	4.50	7.21	10.00	As Certified
RUSSELL-MILLER MILLING CO., Minneapolis, Minn. Hard Wheat Occident Mixed Feed (1768)	19.00	18.00	8.23	4.50	8.27	9.50	As Certified
I. D. STEHMAN, Mt. Joy, Pa. Mount Joy Mixed Feed (1546)	16.94	15.80	3.69	4.00	6.11	9.00	As Certified
THE WILLIAMS BROTHERS CO., Kent, Ohio Kent Mixed Feed (1896; 1862)	18.54	15.00	3.99	3.80	6.60	9.50	As Certified
Average	16.78	-----	4.27	----	7.29	----	
<u>WHEAT MIDDLINGS</u>							
<u>(With and without Ground Grain Screenings)</u>							
<u>WHEAT STANDARD MIDDLINGS</u>							
BLAINE, MACKAY, LEE CO., North East, Pa. Pure Wheat Middlings with Mill Run Screenings (1270)	17.94	18.00	4.93	4.00	7.44	9.00	Wheat standard middlings with mill run screenings
THE FAIRCHILD MILLING CO., Cleveland, O Special Fine Middlings with Ground Screenings not exceeding Mill Run (1703)	18.80	18.00	3.01	4.00	3.09	8.00	Wheat standard middlings with mill run screenings
HECKER, JONES, JEWELL MILLING CO., Buffalo, N. Y. Wheat Standard Middlings (1626)	19.38	18.00	8.81	4.75	7.07	9.50	As Certified
HUBBARD MILLING CO., Mankato, Minn. Mother Hubbard Standard Middlings with Screenings (1491)	18.78	18.50	8.87	4.50	7.94	9.50	As Certified
INTERNATIONAL MILLING CO., Minneapolis, Minn. Blackhawk Wheat Standard Middlings with Ground Screenings not exceeding Mill Run (1517)	18.63	16.00	5.14	4.50	7.44	8.50	As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
KINO MIDAS MILL CO., Minneapolis, Minn. Wheat Standard Middlings with Ground Wheat Screenings (2087)	18.44	15.00	4.43	4.00	6.98	9.50	As Certified
THE LOUDONVILLE MILLING CO., Loudonville, Ohio Winter Wheat Middlings with Ground Screenings not exceeding Mill Run (1510)	17.00	15.00	4.85	4.00	6.97	7.00	Wheat standard midd- lings with ground screenings
MAUSER MILL CO., Treichlers, Pa. Ned Wheat Middlings with Ground Screen- ings not exceeding Mill Run (2120)	20.50	16.00	6.20	4.60	7.01	9.00	Wheat standard middl- ings with ground screenings
THE NATIONAL MILLING CO., Toledo, Ohio Namico Wheat Middlings with Ground Screenings not exceeding Mill Run (1338; 1929)	16.91	15.00	4.51	3.50	6.87	9.00	Wheat standard middl- ings with ground screenings
PILLSBURY FLOUR MILLS CO., Buffalo, N.Y. Pillsbury's Hard Wheat Standard B Middl- ings and Screenings (1272; 1503; 1670)	17.42 17.75	15.00 16.00	5.03 4.41	4.00 3.50	7.51 4.50	9.50 6.00	As Certified Wheat standard middl- ings
Pillsbury's Wheat Orey Shorte (2292)	17.75	16.00	4.41	3.50	4.50	6.00	
THE NICHARDS MILLING CO., Cortland, Ohio Fancy Winter Wheat Middlings (2124)	17.19	15.00	3.74	3.00	3.55	10.00	Wheat standard middl- ings
SPRINGFIELD MILLING CO., Springfield, Minnesota White Swan Wheat Standard Middlings with Ground Screenings not exceeding Mill Run (1796)	19.25	16.50	5.73	4.50	7.60	9.00	As Certified
WASHBURN-CROSEY CEREAL MILLS, Minneapolis, Minn. Washburn's Gold Medal Wheat Middlings and Screenings (1813; 2089)	18.00	15.00	5.49	4.00	7.11	9.50	Wheat standard middl- ings with ground screenings
Average	17.91	-----	4.88	----	6.67	----	
<u>WHEAT FLOUR MIDDLINGS</u>							
BAY STATE MILLING CO., Winona, Minn. Wingold Hard Wheat Flour Middlings (1681)	19.75	16.50	5.77	4.00	4.49	6.00	As Certified
BLAINE, MACKAY, LEE CO., North East, Pa. Pure Wheat Middlings with Mill Run Screenings (1988)	19.75	15.00	6.56	4.00	6.38	9.00	Wheat flour middl- ings with mill run ground screenings
CANNON VALLEY MILLING CO., Minneapolis, Minn. Cannon Feed (2010)	19.75	17.00	3.79	3.76	2.94	6.00	Wheat flour middl- ings with mill run ground screenings
COMMANDER-LARABEE CORPORATION, Minneapolis, Minn. Sunfed Wheat Flour Middlings with Ground Screenings not exceeding Mill Run (1869)	16.06	16.00	4.89	4.00	4.93	6.00	As Certified
COOPERATIVE O.L.F. MILLS, INC., Buffalo, N. Y. Wheat Flour Middlings with Ground Screenings not exceeding Mill Run (1826)	18.94	15.00	5.40	4.00	5.02	6.00	As Certified
HUBBARD MILLING CO., Mankato, Minn. Mother Hubbard Wheat Flour Middlings (1410)	18.50	17.50	4.93	5.50	5.21	6.00	As Certified
INTERNATIONAL MILLING CO., Minneapolis, Minn. Blackhawk Wheat Flour Middlings (1524)	15.75	16.00	3.37	3.50	2.12	4.00	As Certified
W. J. JENNISON CO., Minneapolis, Minn. Sweet Cream Wheat Flour Middlings with Ground Screenings not exceeding Mill Run (2246)	17.94	16.00	4.04	4.00	2.85	6.00	Screenings not detected
KINO MIDAS MILL CO., Minneapolis, Minn. Snow Ball Wheat Flour Middlings and Ground Wheat Screenings (1885; 2000)	19.66	16.00	4.75	4.00	4.98	6.00	As Certified
THE LOUDONVILLE MILLING CO., Loudonville, Ohio Winter Wheat Middlings with Ground Screenings not exceeding Mill Run (2157)	16.06	15.00	4.50	4.00	6.18	7.00	Wheat flour middl- ings with mill run ground screenings
THE MANTINSBURG MILLING CO., Martinsburg, Pa. Wheat Flour Middlings (2315)	16.50	14.50	4.39	3.80	5.96	2.98	As Certified
MAUSER MILL COMPANY, Treichlers, Pa. Mauser's Flour Middlings with Ground Screenings not exceeding Mill Run (2119)	19.31	14.00	4.67	4.00	4.74	6.00	As Certified
THE MENNEL MILLING CO., Toledo, Ohio Mennel Soft Wheat Flour Middlings with Mill Run Screenings (1349; 1687; 1859; 1968; 2152)	16.59	15.00	4.48	4.00	4.86	6.50	As Certified



TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
THE NATIONAL MILLING CO., Toledo, Ohio Natico Middlings (2293)	16.13	15.00	4.55	3.50	6.32	9.00	Wheat flour middlings
Tolio Wheat Middlings and Wheat Flour with Ground Screenings not exceeding Mill Run (1320;1361;1527;1568;1878; 1883)	16.47	15.00	4.19	3.50	4.94	6.00	Wheat flour middlings with mill run ground screenings
THE NEBRASKA CONSOLIDATED MILLS CO., Omaha, Nebraska Pure Flour Middlings (1505)	16.94	16.00	4.82	4.50	4.62	5.50	As Certified
THE NORTHWESTERN ELEVATOR & MILL CO., Mt. Vernon, Ohio Taylor's Middlings with Ground Screenings not exceeding Mill Run (1884)	17.94	16.00	4.04	4.00	6.54	8.00	Wheat flour middlings with mill run ground screenings
RED BANK MILLS, New Bethlehem, Pa. Red Bank Mills Middlings (1708; 1735)	17.72	16.00	4.38	4.00	5.00	6.00	Wheat flour middlings and screenings
RED WING MILLING CO., Red Wing, Minn. Red Wing Special Flour Middlings (1684; 1724)	18.57	16.50	4.42	4.00	5.02	6.00	As Certified
RUSSELL-MILLER MILLING CO., Minneapolis, Minn. Alta Hard Wheat Middlings (1767)	16.94	15.00	5.04	4.50	5.94	8.50	Wheat flour middlings
Occident Hard Wheat Flour Middlings (2151)	19.25	15.50	4.96	4.50	3.99	5.00	As Certified
F. W. STOCK & SONS, Hilledale, Mich. Stock's Middlings (1959)	21.06	17.00	3.87	4.00	4.17	7.00	Wheat flour middlings
C. F. & W. H. STRICKLER MILLING CO., Lebanon, Pa. Pure Wheat Middlings (1389)	17.94	16.00	5.28	4.50	5.43	9.50	Wheat flour middlings
TENNANT & HOYT CO., Lake City, Minn. Golden Loaf Pure Flour Middlings (2278)	20.69	17.00	4.98	5.00	2.58	5.25	As Certified
UNITED MILLS CO., INC., Grafton, Ohio U.M.C. Wheat Middlings with Ground Screenings not exceeding Mill Run (2126; 2230)	16.97	16.50	4.72	5.00	5.68	7.50	Wheat flour middlings with mill run ground screenings
WASHBURN-CROSBY FLOUR MILLS, INC., Minneapolis, Minn. Washburn's Gold Medal Hard Wheat Flour Middlings and Wheat Screenings (2229)	17.63	16.00	4.34	4.00	5.92	6.00	As Certified
THE WHITE MILLING CO., Bloomsburg, Pa. Keystone Mills Wheat Middlings (1468)	17.44	----	4.47	----	4.77	----	Wheat flour middlings
THE WILLIAMS BROTHERS CO., Kent, Ohio Fancy Winter Wheat Middlings (1264)	15.94	16.00	4.06	4.00	5.30	9.50	Wheat flour middlings
WOODBURY MILLING CO., Woodbury, Pa. Blue Ribbon Flour Middlings (1972)	16.81	15.00	3.80	3.00	4.77	6.00	As Certified
Average	17.63	----	4.51	----	4.91	----	
<u>WHEAT GERM MIDDINGS</u>							
INTERNATIONAL MILLING CO., Minneapolis, Minn. Blackhawk Wheat Germ Middlings (1697)	29.06	25.00	10.03	9.00	2.66	3.25	As Certified
<u>WHITE SHORTS</u>							
BLAINE, MACKAY, LEE CO., North East, Pa. Pure Wheat Middlings with Mill Run Screenings (2051)	17.56	15.00	5.31	4.00	4.38	9.00	Wheat white shorts with mill run ground screenings
BUCKEYE CEREAL CO., Massillon, Ohio White Middlings (1874)	17.94	15.00	2.03	3.50	3.21	5.50	As Certified
CLINTONDALE MILLING CO., Clintondale, Pa. Wheat Middlings (1301)	16.75	16.00	4.61	4.00	3.26	6.00	Wheat white shorts
THE FAIRCHILD MILLING CO., Cleveland, O. Special Fine Middlings with Ground Screenings not exceeding Mill Run (1554;1722)	15.00	15.00	3.04	3.50	2.48	8.00	Wheat white shorts with mill run ground screenings
MAITLAND ROLLER MILLS, Maitland, Pa. Wheat Middlings (1456)	14.81	----	3.14	----	3.12	----	Wheat white shorts
PILLSBURY FLOUR MILLS CO., Minneapolis, Minn. Hard Wheat A Middlings and Screenings (1789)	16.00	16.00	4.05	4.00	3.97	6.00	Wheat white shorts with mill run ground screenings
THE RICHARDS MILLING CO., Cortland, Ohio Fancy Winter Wheat Middlings (1567)	16.94	15.00	4.41	3.00	4.00	10.00	Wheat white shorts
SPRUCE CREEK MILLS, Spruce Creek, Pa. Pure Wheat Middlings (1288)	16.38	----	3.61	----	3.75	----	Wheat white shorts
I. D. STEHMAN, MT. JOY, PA. Winter White Middlings (1548)	14.06	12.50	2.08	2.00	1.07	3.50	Wheat white shorts
E. STRICKLER'S SONS, Lebanon, Pa. Pure Winter Wheat Middlings (1530)	16.63	14-18	4.15	3-6	3.87	----	Wheat white shorts



TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	
STOPE BROTHERS, Johnstown, Pa. Spacial Wheat Middlinga (2245)	16.69	15.00	3.11	4.00	2.76	5.00	Whaat whita shorts
C. Y. WAGNER & CO., Bellafonta, Pa. Puro Winter Wheat Middelings (1445)	17.44	14.00	5.26	3.50	4.58	7.00	Whaat whita shorts
WALTON FLOUR MILLS, Lansing, Michigan Wheat Middelings (2058)	12.75	13.20	3.01	4.08	2.97	3.07	Whaat whita shorts
THE WHEATENA CORPORATION, Highspira, Pa. Pura Whaat Middelings (1384)	14.88	13.00	2.97	2.00	2.93	5.00	Whaat whita shorts
Avaraga	15.92	-----	3.59	----	3.25	----	
<u>GRAY SHORTS</u>							
CRETE MILLS, Crata, Nebraska Gray Wheat Shorts (1680)	16.81	16.00	4.73	3.50	6.04	6.00	As Cartifiad
THE RICHARDS MILLING CO., Cortland, Ohio Fancy Winter Wheat Middelings (1966)	15.94	15.00	4.27	3.00	5.37	10.00	Whaat gray shorts
Avaraga	16.38	----	4.50	----	5.70	----	
<u>BROWN SHORTS</u>							
D. G. BRANDT & SONS, Annville, Pa. Winter Whaat Middelinga (1409)	16.31	16.00	4.11	5.00	4.42	7.00	Whaat brown shorts
COOPERATIVE O.L.F. EXCHANGE, INC., Buffalo, N. Y. Whaat Middelings with Ground Screanings (1840)	17.44	15.00	5.34	4.00	7.69	9.50	Wheat brown shorts with mill run ground screanings
I. D. STEHMAN, Mt. Joy, Pa. Mt. Joy Pura Winter Rad Middelings(1549)	17.75	16.00	4.64	4.75	6.02	6.00	Whaat brown shorta
C. F. & W. H. STRICKLER MILLING CO., Lebanon, Pa. Pura Middelings (1534)	17.13	16.00	4.73	4.50	6.51	9.50	Whaat brown shorts
TENNANT & HOYT CO., Laka City, Minn. Golden Loaf Whaat Middelings with Ground Screanings not axceeding Mill Run (2099)	20.56	17.00	5.12	5.00	7.12	8.00	Whaat brown shorts with mill run ground screanings
Avaraga	17.84	-----	4.79	----	6.35	----	
<u>LOW GRADE FLOUR</u>							
SLAINE, MACKAY, LEE CO., North East, Pa. Rad Dog Whaat Flour (1987)	16.69	15.00	3.83	3.00	2.26	3.00	Low grada whaat flour
COMMANDER, LARABEE CORPORATION, Minneapolis, Minn. Sunfad Rad Dog (1504)	21.00	16.00	5.52	4.00	4.29	4.00	Low grada whaat flour
COMMERCIAL MILLING CO., Detroit, Mich. Rad Dog Whaat Flour (1690)	13.69	12.50	2.34	2.00	1.05	2.00	Low grada whaat flour
DULUTH SUPERIOR MILLING CO., Duluth, Minn. Rad Dog Whaat Flour (2273)	18.38	15.00	3.67	3.00	2.78	3.00	Low grade wheat flour
S. A. ECKHART MILLING CO., Chicago, Ill. Whaat Raddog (1460)	16.31	12.00	4.16	2.50	2.13	4.00	Low grada wheat flour
BECKER, JONES, JEWELL MILLING CO., Buffalo, N. Y. Wheat Rad Dog Flour (1625)	18.25	15.00	4.69	4.25	3.15	4.00	Low grada whaat flour
HUBBARD MILLING CO., Mankato, Minn. Mothar Hubbard Sterling Whaat Rad Dog (1618)	18.44	16.50	4.00	3.50	1.99	2.00	Low grada whaat flour
INTERNATIONAL MILLING CO., Minneapolis, Minn. Blackhawk Whaat Red Dog (1639;1732;2168)	19.63	16.00	4.34	3.50	2.48	4.00	Low grada whaat flour
LA ORANGE MILLS, Rad Wing, Minn. Extra Rad Dog Flour (1960)	18.50	14.00	2.92	1.40	1.31	2.00	Low grada whaat flour
THE NATIONAL MILLING CO., Toledo, Ohio Toledo Sacond Clear Flour (2125)	13.56	-----	2.64	----	0.57	----	Low grada whaat flour
PILLSEURY FLOUR MILLS CO., Minneapolis, Minn. XX Daisy (1728; 1979; 2105)	18.44	16.00	4.31	4.00	2.17	4.00	Low grada whaat flour
TENNANT & HOYT CO., Laka City, Minn. Golden Loaf Pura Whaat Rad Dog (1321)	19.38	17.00	4.34	3.50	1.84	2.60	Low grade wheat flour
Avaraga	18.02	-----	4.00	----	2.20	----	
<u>BARLEY FEED</u>							
THE QUAKER OATS CO., Chicago, Ill. Barley Feed (2160)	13.50	12.00	3.36	3.00	8.37	12.00	As Certified
<u>RYE OFFAL</u>							
<u>RYE MIDDLINGS</u>							

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
B. A. ECKHART MILLING CO., Chicago, Ill. Rye Middlings with Ground Racleaned Rye Screenings not exceeding mill run (1266)	17.06	14.50	3.51	2.50	6.06	10.00	Screenings in excess of mill run
<u>RYE FEED</u>							
VAN VECHTEN MILLING CO., Rochester, N. Y. Rye Feed (1951)	16.56	13.00	3.13	2.00	4.02	10.00	As Certified
<u>OAT BY-PRODUCT</u>							
<u>OAT MEAL</u>							
J. A. FOREST, Minneapolis, Minn. Alpine Feeding Oatmeal (1934)	16.94	14.00	5.87	5.00	5.68	3.90	As Certified
HECKER H-O CO., INC., Buffalo, N.Y. Fine Ground Oat Groats (1551)	12.50	12.00	6.86	5.00	1.18	2.00	As Certified
NORTHERN ILLINOIS CEREAL CO., Lockport, Ill. Gold Medal Choice Rolled Oats (2133)	16.56	16.00	7.23	7.00	1.38	3.00	As Certified
PRATT FOOD CO., INC., Buffalo, N. Y. Pratt's Feeding Oatmeal (1658)	16.75	15.00	6.22	5.00	3.02	3.75	As Certified
PURINA MILLS, St. Louis, Mo. Purina Chacker Board Rollad Oats (1675)	16.88	15.00	5.16	5.00	1.26	2.00	As Certified
Average	15.93	-----	6.27	-----	2.50	-----	
<u>OAT FEED</u>							
NORTHERN ILLINOIS CEREAL CO., Lockport, Ill. Reground Oat Feed (1664)	2.94	3.50	1.37	1.25	30.67	35.00	As Certified
THE QUAKER OATS CO., Chicago, Ill. Banner Feed (1617; 1949)	14.03	13.00	4.38	4.50	19.09	18.00	Oatmeal mill by- product (oat middl- ings, oat shorts, oat hulls)
Vim Feed (1294; 1950)	5.53	5.00	1.81	2.00	28.81	30.00	Oatmeal mill by- product (oat middl- ings, oat shorts, oat hulls)
Average	8.41	-----	2.75	-----	25.29	-----	
<u>ALFALFA MEAL</u>							
THE A. B. CAPLE CO., Toledo, Ohio Alfalfa Meal (1484)	13.88	12.00	1.42	1.00	31.42	35.00	As Certified
THE DENVER ALFALFA MILLING & PRODUCTS CO., Lamar, Colorado Tripla XXX Alfalfa Meal (1737; 2233; 2290)	14.61	13.00	1.51	1.00	26.87	33.00	As Certified
EZL. DUNWOODY CO., Philadelphia, Pa. Super X Fina Ground Alfalfa Meal (1540)	21.69	17.00	1.97	2.00	23.38	25.00	As Certified
THE IRVIN T. FANGBONER CO., Bellevue, Ohio Alfalfa Meal (1564)	13.69	13.00	1.41	1.00	32.92	33.00	As Certified
FERNANDO VALLEY MILLING & SUPPLY CO., Los Angeles, California Fernando De-Hydrated Alfalfa Leaf Meal (2174)	22.50	20.00	3.00	3.00	20.54	20.00	As Certified
Fernando Ideal Greens-Sun Curad (1541)	17.81	20.00	1.92	3.00	27.05	18.00	As Certified
PECOS VALLEY ALFALFA MILL CO., Bagarman, N. M. Peevee Alfalfa Leaf Meal (1463)	21.38	20.00	2.41	2.50	14.59	18.00	As Certified
Pecos Special Alfalfa Meal (1475)	13.00	13.00	1.56	1.50	32.90	33.00	As Certified
Valvat Meal (1933)	18.94	17.00	2.45	1.50	21.97	23.00	Alfalfa hay with part of stem removed to concen- trate the leaves
PURINA MILLS, St. Louis, Mo. Fine Ground Poultry Alfalfa Meal (1273; 1669)	18.41	17.00	1.97	1.60	19.95	25.00	As Certified
URBANA MILLS, Urbana, Ohio Xtrafina Alfalfa Meal (1388; 1992)	13.19	13.00	1.41	1.50	31.04	33.00	As Certified
Average	16.66	-----	1.81	-----	25.82	-----	
<u>DRIED BEET PULP</u>							
THE LARROWE MILLING CO., Detroit, Mich. Dried Beet Pulp (1278; 1482; 1665; 1782; 1797; 2050; 2090; 2225)	9.24	8.00	0.67	0.50	19.60	22.00	As Certified
Dried Molasses Beet Pulp (1274; 1339; 1638; 1713; 1945)	11.17	8.00	0.66	0.50	16.05	20.00	As Certified
Average	9.98	-----	0.67	-----	18.24	-----	

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
<u>MIXED FEEDS--PROPRIETARY AND MISCELLANEOUS</u>	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
<u>PROPRIETARY DAIRY FEED</u>							
ACME MILLING CO., Olean, N. Y. Acme Golden Dairy Feed "A" (1733)	25.69	22.00	4.56	4.50	6.85	9.00	As Certified
THE AKRON FEED MILLS, Urbana, Ohio Akron Dairy Feed (2140) Ohio Dairy Feed (2143)	22.94 16.75	24.00 16.00	4.85 5.43	3.50 3.50	9.17 9.29	12.00 12.00	As Certified Found in addition oat meal mill by- product.
Summit Dairy Feed (2142) 32% Dairymen's Mix (2195)	20.31 34.75	20.00 32.00	5.16 5.86	3.00 4.00	6.37 8.21	12.00 9.00	As Certified As Certified
ALLIED MILLS, INC., Chicago, Ill. Amco 12% Fitting Ration (1588) Amco 16% Surene Dairy Ration (1589) Amco 20% Dairy Ration (1590) Amco 24% Dairy Ration (1591) Amco 32% Supplement Dairy Ration (1592) Wayne Ideal 16% Dairy Feed (1600) Wayne 20% Dairy Feed (1418; 2046) Wayne 24% Dairy Feed (1645; 2080) Wayne 24% Dairy Feed (1706)	14.06 18.81 24.19 25.94 34.19 19.13 22.94 24.72 26.75	12.00 16.50 20.00 24.00 32.00 16.00 20.00 24.00 24.00	3.78 4.98 4.52 4.60 5.06 3.64 4.55 4.62 4.80	3.00 3.50 3.50 3.50 4.00 3.00 3.50 3.50 3.50	5.60 9.26 8.00 7.43 7.20 10.83 6.65 7.24 7.09	9.00 12.00 9.00 9.00 9.00 12.00 9.00 9.00 9.00	As Certified As Certified As Certified As Certified As Certified As Certified As Certified As Certified Cocoanut oil meal not detected.
Wayne 32% Farm Mix Dairy Feed (1417; 2078)	33.47	32.00	5.06	4.00	6.70	9.00	As Certified
Wayne 32% Farm Mix Dairy Feed (2045)	33.38	32.00	4.49	4.00	6.50	9.00	Found in addition alfalfa meal.
R. S. ALTMAN, Irwin, Pa. Altman's Best 16% Protein Dairy Feed (1327; 1995) Altman's 20% Dairy Feed (1328; 1350; 1761) Altman's 24% Dairy Feed (1329; 1351; 1760)	18.00 20.25 22.50	16.00 20.00 24.00	3.80 4.02 3.73	3.00 4.00 4.00	9.20 7.57 7.07	11.00 10.00 10.00	As Certified As Certified As Certified
ARCADY FARMS MILLING CO., Chicago, Ill. Milker's Ready Ration (1698) Milker's Ready Ration (1772)	22.63 22.50	22.00 22.00	4.08 4.04	4.00 4.00	9.54 10.66	12.00 12.00	As Certified Found in addition small amount un- ground weed seeds.
Provo 16 Dairy Feed (2194) Sweet 16 Dairy Feed (2047) Sweet 16 Dairy Feed (1765)	18.06 19.38 16.38	16.00 16.00 16.00	3.98 3.85 3.95	3.50 4.00 4.00	10.96 10.52 11.65	13.50 12.50 12.50	As Certified As Certified Found in addition malt sprouts and small amount un- ground weed seeds.
ATLANTIC FEED & SUPPLY CO., Atlantic, Pa. Afco 20% Dairy Feed (1865)	27.19	----	4.60	----	8.30	----	Ingredients identi- fied: Wheat bran, cotton- seed meal, O.P. oil meal, corn gluten feed, corn feed meal, hominy feed, beet pulp, minerals (cal- cium carbonate and bone meal), salt, molasses.
SUCKEY CEREAL CO., Maesillon, Ohio 16% Bgr-X Dairy Feed (1872)	20.25	16.00	3.73	2.70	8.83	12.00	As Certified
SEACON MILLING CO., Cayuga, N. Y. Auburn Dairy Feed (1804) Seacon Sweet 24 Dairy Ration (1803)	21.75 26.69	20.00 24.00	3.20 4.73	4.00 4.00	7.96 8.33	10.00 9.00	As Certified As Certified
BLACK ROCK MILLING CO., Buffalo, N.Y. Bidwell 20% Dairy Ration (1631) Bidwell 24% Dairy Ration (1630)	20.94 23.76	20.00 24.00	3.93 3.94	4.00 4.00	7.22 7.31	11.00 11.00	As Certified As Certified
BLANK & GOTTSCHALL CO., INC., Sunbury, Pa. B & G Sweetened Dairy Ration (2117)	22.38	20.00	4.31	5.00	8.65	10.00	As Certified
COOPERATIVE O.L.F. MILLS INC., Buffalo, N. Y. G.L.F. Emergency Dairy (1847) G.L.F. Emergency Dairy (1844)	24.76 24.56	22.00 22.00	3.73 3.76	3.00 3.00	7.75 7.78	10.00 10.00	As Certified Found in addition soybean meal.
G.L.F. Exchange Dairy (1851) G.L.F. Milk Maker (1621; 1849; 2139) G.L.F. Super Exchange Dairy (1622) G.L.F. Super Exchange Dairy (1845)	23.31 26.84 23.25 23.81	20.00 24.00 20.00 20.00	4.21 4.44 4.03 4.54	4.00 4.00 4.00 4.00	6.71 7.44 5.65 6.31	8.50 8.50 8.00 8.00	As Certified As Certified As Certified Found in addition ground oat.
G.L.F. Super Milk Maker (1850) G.L.F. 12% Fitting Ration (1846) G.L.F. 18% Dairy (1848; 2137) G.L.F. 32% Supplemental Dairy Feed (2136)	24.50 14.44 20.03 32.50	24.00 12.00 18.00 32.00	4.44 4.01 3.76 3.90	4.00 4.00 3.00 4.00	6.27 5.05 7.25 5.84	8.00 7.00 12.00 8.50	As Certified As Certified As Certified As Certified
DIETRICH & GAMBRILL, INC., Frederick, Md. A-1 Gambrill Dairy Feed (1305) D-G Dairy Feed (1303) Gambrill's High Protein Dairy Feed (1304)	24.88 22.38 32.44	24.00 20.00 32.00	4.89 4.65 5.16	5.00 4.00 5.00	8.21 12.37 7.60	9.00 12.00 9.00	Found in addition malt sprouts. Found in addition Kaffir corn. Found in addition malt sprouts.
EASTERN STATES FARMERS EXCHANGE, Springfield, Mass. Eastern States Fulpall Dairy Ration (1777; 2170) Eastern States Milkmore Open Formula Dairy Ration (2169)	22.62 25.00	20.00 24.00	5.00 4.94	4.50 4.50	7.17 7.19	8.00 8.00	As Certified As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
JOHN W. ESHELMAN & SONS, Lancaster, Pa. Eshelman Challenge Dairy Feed (1901)	27.25	24.00	4.56	4.00	7.92	11.00	As Certified
Eshelman Lancaster 20% Dairy Feed (1276)	24.63	20.00	4.47	4.00	7.58	11.00	As Certified
Eshelman Pennsy 16% Dairy Feed (1903)	18.50	16.00	5.50	3.00	10.67	11.00	Cocoonut oil meal not detected.
Eshelman Red Rose 24% Dairy Feed (2065)	25.31	24.00	4.52	4.00	7.97	11.00	As Certified
Eshelman Red Rose 24% Dairy Feed (1277)	28.50	24.00	4.32	4.00	7.56	11.00	Found in addition ground barley.
Eshelman S.O.S. (1494)	12.63	11.00	2.17	2.00	14.08	15.00	As Certified
Eshelman 32% Mixing Ration (1275)	33.89	32.00	4.69	5.00	8.96	9.00	As Certified
Maintenance 16% Dairy Feed (2066)	18.56	16.00	3.09	3.00	7.21	11.00	As Certified
G. & M. MILLING CO., Wyoming, Pa. O & M 16% Dairy Feed (1650)	15.88	16.00	4.11	5.00	7.54	7.50	Found in addition barley and buckwheat.
G & M 20% Dairy Feed (1652)	21.31	20.00	4.46	5.00	7.82	8.50	As Certified
G & M 22% Dairy Feed (1651)	22.56	22.00	4.80	5.00	8.25	8.50	Found in addition small amount screenings.
G & M 24% Dairy Ration (1653)	24.44	24.00	5.01	5.00	8.89	8.50	As Certified
THE OREAT ATLANTIC & PACIFIC TEA CO., Minneapolis, Minn. Milky Way 20% Dairy Feed (2261)	23.56	20.00	4.65	4.00	7.63	9.00	As Certified
Milky Way 24% Dairy Feed (2262)	26.89	24.00	4.00	4.50	7.24	9.00	As Certified
GRUBB & MADEIRA, Elizabethtown, Pa. G & M 18% Dairy (2027)	18.13	18.00	3.37	3.00	12.60	12.00	As Certified
G & M 25% Dairy (2026)	27.44	25.00	3.91	4.00	9.50	12.00	As Certified
HADLEY MILLS, Hadley, Pa. White Star Dairy Feed (1719)	22.00	20.00	4.31	4.50	13.36	10.50	As Certified
HARPER GRAIN CO., Pittsburgh, Pa. Harper's Select 16% Dairy Feed (1774)	15.06	16.00	4.88	3.00	12.24	11.00	As Certified
Harper's Select 20% Dairy Ration (1773)	20.63	20.00	5.40	4.00	8.19	10.00	As Certified
RENNY & MISSERT FEED CO., Buffalo, N.Y. Matchless 24% Dairy Ration (2082)	25.75	24.00	4.74	4.00	9.88	12.00	As Certified
REPLER-MC NAUGHTON MILLING CO., New Alexandria, Pa. New Alex 24% Dairy Ration (1614)	24.81	24.00	4.34	4.00	11.37	12.00	As Certified
HUBBARD MILLING CO., Pittsburgh, Pa. Pambo 24% Dairy Feed (1508)	24.13	24.00	3.99	4.50	10.47	11.00	Found in addition malt sprouts.
KASCO MILLS, Waverly, N. Y. Beats All Milk Grain (2191)	24.64	22.00	5.22	4.50	8.22	10.00	As Certified
Kasco 16% Dairy Feed (2317)	15.75	16.00	3.30	4.50	14.29	12.00	As Certified
CHAS. A. KRAUSE MILLING CO., Milwaukee, Wis. Badger 16% Sweet Dairy (1683)	17.81	16.00	6.96	4.00	10.38	13.00	Found in addition small amount small unground weed seeds.
Badger 24% Dairy Ration (1974)	26.31	24.00	4.71	4.00	11.02	12.00	Soybean meal not detected.
THE LARROWE MILLING CO., Detroit, Mich. Larro The Ready Ration for Dairy Cows (1666; 1685)	21.40	20.00	4.09	4.00	9.98	12.00	As Certified
MARITIME MILLING CO., INC., Buffalo, N. Y. BB Farmers' Mixing Feed (1576)	33.63	32.00	5.06	5.00	8.82	10.00	Bone meal not detected.
BB High Test Dairy Feed Sweetened 20% (2305)	25.13	20.00	3.73	4.50	8.75	12.00	As Certified
BB High Test Dairy Feed Sweetened 24% (2304)	24.75	24.00	4.07	4.50	9.10	12.00	As Certified
BB High Test Dairy Feed Sweetened 24% (1577)	25.19	24.00	4.51	4.50	8.53	12.00	Salt and bone meal not detected.
BB 24% Dairy Ration (1723)	23.00	24.00	4.46	4.50	8.18	11.00	As Certified
MIFFLINBURG FARMERS EXCHANGE, INC., Mifflinburg, Pa. Farmers' Own Dairy Mix (1786)	26.50	25.00	3.90	4.50	8.60	8.00	As Certified
Farmers' Sugared Dairy Rations (1784)	17.56	15.00	3.30	3.30	12.14	12.00	As Certified
GEORGE Q. MOON & CO., INC., Binghamton, N. Y. Moon's 24% Dairy Ration (2131)	24.56	24.00	4.46	5.00	6.20	10.00	As Certified
MOTHER HUBBARD FLOUR MILLS, Pittsburgh, Pa. Big Seller 22% Dairy Feed (1313)	22.44	22.00	3.60	4.00	10.03	12.00	Found in addition malt sprouts and oat hulls.
NOWAK MILLING CORPORATION, Hammond, Indiana Domino Butterine Dairy Feed (2179)	20.38	17.00	4.14	4.00	9.54	12.00	Found in addition ground corn and buckwheat.
P. J. OESTERLING & SON, Butler, Pa. Dairymen's 22% Ration (1961)	25.44	22.00	4.77	4.00	9.89	12.00	As Certified
Super 34% Dairy Ration (1965)	36.56	34.00	6.01	4.00	9.21	10.00	As Certified
ORIO VALLEY GRAIN & FEED CO., Coraopolis, Pa. Ohio Valley Dairy Feed (2289)	20.06	20.00	5.29	4.00	10.79	12.00	As Certified
PARK & POLLARD CO., Buffalo, N.Y. Bet-R-Milk 20% Ration (1629)	21.81	20.00	4.01	4.00	6.93	9.00	As Certified



TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
PHELPS & SIBLEY CO., INC., Cuba, N.Y. Tofor Dairy Ration (1642)	25.88	24.00	3.75	4.00	7.54	10.00	As Certified
POLO MILLS CO., East St. Louis, Ill. Holsum Dairy Feed (1363)	16.44	15.00	3.33	3.50	11.08	14.00	Found in addition alfalfa meal and soybean meal.
PRATT FOOD CO., Philadelphia, Pa. Pretti's B-P Dairy Feed (1325)	23.25	21.00	4.24	4.00	8.32	11.00	As Certified
PURINA MILLS, Buffalo, N. Y. Protene Sweet Roughage Feed (1641; 2207)	16.09	12.00	3.49	1.50	19.92	32.00	As Certified
Protana 16% Dairy Feed (1917)	20.94	16.00	4.43	3.00	10.84	14.00	As Certified
Protana 16% Dairy Feed (2108)	21.69	16.00	4.36	3.00	9.72	14.00	Found in addition ground buckwheat.
Protana 20% Dairy Feed (1716)	22.69	20.00	4.99	3.00	10.64	14.00	As Certified
Protene 24% Dairy Feed (1512)	26.50	24.00	5.03	3.00	10.87	12.00	As Certified
Protana 24% Dairy Feed (2104)	25.63	24.00	4.74	3.00	10.23	12.00	Found in addition ground buckwheat.
Purina Bulky Less Chow (1609)	12.94	9.00	2.93	1.30	13.65	15.00	As Certified
Purine 20% Cow Chow (1678)	22.06	20.00	3.87	3.00	10.11	12.00	As Certified
Purina 24% Cow Chow (2208)	28.39	24.00	4.63	3.00	10.32	12.00	As Certified
Purina 34% Cow Chow (1940)	36.19	34.00	6.15	3.00	10.04	12.00	As Certified
THE QUAKER OATS CO., Chicago, Ill. Quaker Schumacher Feed (2103)	11.39	10.00	3.29	3.25	11.38	12.00	As Certified
Quaker Sugarad Schumacher Feed (1516; 1764)	11.43	10.00	3.70	3.00	10.97	12.00	As Certified
Quaker 16% Protein Dairy Ration (1414; 1520; 1608; 2021; 2218)	17.51	16.00	4.07	3.50	10.35	12.00	As Certified
Quaker 20% Protein Dairy Ration (1413; 1422; 1518; 1736)	21.61	20.00	4.01	3.25	10.45	12.00	As Certified
Quaker 24% Protein Dairy Ration (1415; 1521; 2167)	25.40	24.00	4.54	4.00	10.73	12.00	As Certified
GEORGE L. REED MILLING CO., Brookville, Pa. Triangla 20% Dairy Feed (1894)	22.93	20.00	4.95	4.00	9.28	12.00	As Certified
THE RICHARDS MILLING CO., Cortland, Ohio Richard's 20% Dairy Feed (2132)	25.19	20.00	4.00	4.50	7.12	10.00	Soybean meal not detected. Found in addition ground oats.
Richard's 24% Dairy Feed (2277)	25.38	24.00	3.90	4.50	6.59	10.00	As Certified
Richard's 24% Dairy Feed (1752)	27.50	24.00	3.43	4.50	8.64	10.00	Cocoanut oil meal not detected.
Spot Cesh Dairy Feed 24% (1497)	26.44	24.00	4.28	4.50	7.48	10.00	Cocoanut oil meal not detected. Found in addition ground oats.
SPRUCE CREEK MILLS, Spruce Craak, Pa. Ona-Wey Dairy Feed (1291)	19.63	20.00	4.34	5.00	10.50	11.50	As Certified
I. D. STEHMAN, Mt. Joy, Pa. Homa Dairy Feed (1545)	21.44	20.00	4.59	4.50	6.55	10.00	As Certified
JESSE C. STEWART CO., Pittsburgh, Pa. Iron City Dairy Feed (1525)	26.00	16.00	3.07	3.00	7.13	12.00	As Certified
Shedysida Brand 24% Dairy Feed (1526)	25.19	24.00	4.65	4.00	6.78	11.00	As Certified
D. A. STICKELL & SONS, INC., Ragerstown, Md. Deiry Quen Sweet 20% Milk Maker (1916)	24.13	20.00	4.62	3.50	7.29	10.00	As Certified
Zip Sweet 16% Dairy Feed (1382)	18.94	16.50	4.09	3.00	10.35	12.00	Found in addition beat pulp.
SWOPE BROTHERS, Johnstown, Pa. Champion Dairy Feed 20% (2243)	21.19	20.00	4.25	3.00	5.70	8.00	Ground limestone not detected. Found in addition ground buckwheat.
Stata Collaga Dairy Ration (2242)	21.25	21.00	4.44	5.00	7.50	10.00	As Certified
TIONESTA MILLING CO., Tionesta, Pa. Timico Dairy Feed (1984)	22.94	20.00	5.29	5.00	7.43	9.00	Buckwheat middlings not detected.
TOLEDO GRAIN & MILLING CO., Toledo, Ohio Cloverdale Dairy Ration (2248)	22.56	20.00	4.52	4.00	7.68	9.00	As Certified
THE UBICO MILLING CO., Cincinnati, Ohio Clovar Bloom Sweet 16% Feed (1902)	16.06	16.00	3.02	3.00	13.94	12.00	As Certified
Clover Bloom Sweet 16% Feed (1314)	16.75	16.00	3.51	3.00	13.17	12.00	Found in addition Kaffir corn.
Clover Bloom Sweet 20% Feed (2072)	21.00	20.00	4.32	3.00	10.19	12.00	As Certified
Honay Comb Fitting Ration (2252)	12.56	12.00	2.50	2.50	14.66	15.00	Bone meal not detected.
Sunbeam Dairy Ration (2069)	26.06	24.00	4.31	4.00	8.89	12.00	As Certified
Union Greins Ubico 20% Sweet Dairy Ration (2254)	21.94	20.00	4.54	4.00	8.36	10.00	As Certified
Union Greins Ubico 24% Dry Dairy Ration (2070)	25.56	24.00	5.33	5.00	9.33	10.00	As Certified
Union Greins Ubico 32% Sweet Dairy Ration (1315; 2071)	33.50	32.00	5.43	4.00	6.90	10.00	As Certified
VITALITY MILLS, INC., Chicago, Ill. Honor Dairy Feed with Beat Pulp (1284)	22.00	20.00	4.46	4.50	9.75	12.00	Salt end bone meal not detected. Found in addition small amount ground screenings.
Honor Dairy Feed with Beat Pulp (2060)	21.69	20.00	5.16	4.00	7.67	12.00	Calcium carbonate not detected.
Special Velvat Dairy Feed (2059)	17.25	16.00	5.31	3.00	10.54	12.00	Calcium carbonate not detected.



TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
C. Y. WAGNER & CO., Bellefonte, Pa. Wagner's 20% Dairy Feed (1429)	22.50	20.00	3.61	4.00	6.75	12.00	Found in addition bravers' dried grains and soybean oil meal.
Wagner's 32% Dairy Feed (1428)	33.44	32.00	4.40	4.00	6.25	9.00	Found in addition soybean meal and dried bravers' grains.
WELLES MILL CO., Wyalusing, Pa. Our Own 24 Dairy Ration (1815) Special Dairy Ration (1816)	24.19 22.06	24.00 20.00	4.72 4.73	3.00 3.00	10.19 14.31	9.00 14.00	As Certified Found in addition soybean meal and peanut meal.
18% Dairy Ration (1817)	19.06	18.00	4.76	3.00	17.06	15.00	As Certified
WESTERN FLOUR CO., Charleroi, Pa. Economy's 24% Dairy Feed (1756)	24.19	24.00	4.54	3.50	8.88	11.00	As Certified
A. K. ZINN & CO., Battle Creek, Mich. Michigan State Ration #3 (1446)	25.25	24.00	4.93	4.50	8.31	9.00	As Certified
Average	22.89	-----	4.34	-----	9.07	-----	
<u>PROPRIETARY STOCK, HORSE AND MULE FEED</u>							
ALLIED MILLS, INC., Buffalo, N. Y. June Pasture (2041) Wayne Supreme Horse Feed (1913; 2040; 2064; 2163)	12.41 11.57	10.00 9.50	0.93 3.60	0.50 3.50	16.73 6.65	21.00 8.00	As Certified As Certified
R. S. ALTMAN, Irwin, Pa. Altman's Horse Feed (1372) Altman's Horse Feed (1330) Altman's Horse Feed (1352) Altman's Horse Feed (1998)	11.67 12.59 13.36 12.69	8.00 8.00 8.00 8.00	3.06 2.82 3.43 4.21	1.00 1.00 1.00 1.00	7.45 8.35 7.51 10.96	15.00 15.00 15.00 15.00	As Certified Rye not detected. Rye not detected. Rye not detected. Found in addition corn.
THE BEACON MILLING CO., Cayuga, N.Y. Beacon Cayuga Horse Feed (1802)	11.13	8.00	4.00	2.00	6.00	10.00	As Certified
G. E. CONKEY CO., Cleveland, Ohio Conkey's Diamond Horse Feed (2002)	10.13	8.25	3.17	2.75	5.43	9.00	As Certified
COOPERATIVE G.L.P. MILLS, INC., Peoria, Ill. G.L.P. Horse Feed (1830)	11.19	9.00	3.88	3.50	8.15	9.00	As Certified
DIXIE MILLS CO., East St. Louis, Ill. Dixie Horse and Mule Feed (2287) Dixie Feed (2288)	10.44 11.31	10.00 10.00	2.83 3.84	2.50 3.50	10.65 7.53	12.00 9.00	As Certified As Certified
EASTERN STATES FARMERS EXCHANGE, Springfield, Mass. Eastern States Horse and Calf Ration (1779; 1906)	13.18	10.50	3.85	3.50	7.01	7.00	As Certified
JOHN W. ESHELMAN & SONS, Lancaster, Pa. Red Rose Stock Feed (1982)	10.26	9.00	5.85	3.00	11.95	11.00	Salt not detected.
D. H. GRANDIN MILLING CO., Jamestown, New York Grandin's Stock Food (1502)	9.75	8.50	4.37	4.00	9.16	12.00	Barley not detected.
GRUBE & MADEIRA, Elizabethtown, Pa. G & M Horse Feed (2029)	13.00	11.00	4.09	3.50	9.44	6.00	As Certified
MOTHER HUBBARD FLOUR CO., Pittsburgh, Pa. Pambo Horse Feed (1312)	10.06	9.00	3.22	3.00	5.95	10.00	As Certified
PARK & POLLARD CO., Buffalo, N. Y. Park & Pollard Fitting Ration (1634) Park & Pollard Horse Feed (1490) Park & Pollard Stock Feed (2219)	17.00 13.25 10.44	12.00 10.00 8.50	4.39 4.14 6.03	3.60 3.50 4.00	6.67 7.50 10.81	7.00 9.00 12.00	As Certified As Certified Barley not detected.
PENN JERSEY FEED MILLS, Philadelphia, Pa. P. J. Horse Feed (1513)	9.66	9.00	2.45	2.00	9.86	12.10	As Certified
PRATT FOOD COMPANY, Hammond, Ind. Pratt's Horse Feed (2007) Pratt's Horse Feed with Alfalfa (2048)	12.38 10.06	9.00 9.00	4.03 2.77	2.00 2.50	7.32 12.38	10.00 14.00	As Certified As Certified
PURINA MILLS, St. Louis, Mo. Purina O'Molena Chow (1375; 1455; 1533; 1942; 2209)	11.89	10.00	4.09	3.20	7.30	9.00	As Certified
THE QUAKER OATS CO., Chicago, Ill. Quaker Green Cross Horse Feed (1515)	13.19	10.00	3.31	2.50	9.65	12.00	As Certified
THE RICHARDS MILLING CO., Cortland, Ohio Richard's Horse Feed (1795)	11.00	9.00	2.96	3.00	5.16	10.00	As Certified
D. A. STICKELL & SONS, Hagerstown, Md. Su-Pur Horse and Mule Feed (1381)	10.81	9.00	3.21	2.50	4.84	12.00	As Certified
SWOPE BROTHERS, Johnstown, Pa. Vim Alfalfa Horse Feed (1696)	11.18	11.00	3.02	2.50	8.54	9.00	As Certified
THE UBIKO MILLING CO., Cincinnati, Ohio Crusader Horse Feed (2253)	12.44	9.00	3.54	3.00	7.66	10.00	Linseed oil meal not detected.
VITALITY MILLS, INC., Chicago, Ill. Advance Stock Feed (1419)	9.06	7.00	3.58	2.00	10.71	12.00	Found in addition small amount ground screenings.

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
C. Y. WAGNER & CO., Bellefonte, Pa. Wagner's Horse Feed (1432)	P. ct. 12.75	P. ct. 9.00	P. ct. 3.23	P. ct. 3.00	P. ct. 5.79	P. ct. 7.00	As Certified
F. S. WERTZ & SON, Reading, Pa. A-1 Horse Feed (2202)	8.01	6.00	3.14	2.00	10.36	11.00	Alfalfa meal not detected.
Wertz Horse Feed (1909)	11.13	9.00	3.72	2.00	7.23	10.00	As Certified
A. WHITE & SON, Philadelphia, Pa. White's All Grain Horse Feed (1489)	11.19	9.00	3.18	3.00	6.18	10.00	Salt not detected.
Average	11.60	----	3.63	----	8.12	----	
<u>PROPRIETARY CALF MEAL</u>							
ALLIED MILLS, INC., Chicago, Ill. Amco Calf Meal (1593)	24.81	24.00	4.44	4.00	5.48	7.00	As Certified
Wayne's Calf Meal (1601)	25.13	24.00	4.18	4.00	5.76	7.00	As Certified
Wayne's Calf Meal (1435)	25.44	24.00	4.78	4.00	6.08	7.00	Soybean meal not detected.
COOPERATIVE G.L.F. MILLS, INC., Buffalo, N. Y. G.L.F. Calf Meal (1842)	22.81	19.00	3.66	4.00	3.29	3.50	Found in addition ground oats.
THE LARROWE MILLING CO., Detroit, Mich. Larro Calf Meal (1947)	25.63	23.00	4.01	4.00	3.09	3.50	Found in addition ground grain screenings.
PURINA MILLS, St. Louis, Mo. Purina Calf Chow (1938)	29.50	27.00	3.55	3.20	3.55	4.50	As Certified
THE QUAKER OATS CO., Chicago, Ill. Schumacher Calf Meal (1426)	21.56	18.00	7.10	7.50	3.06	4.00	As Certified
Average	24.98	-----	4.53	----	4.33	----	
<u>PROPRIETARY SWINE FEED</u>							
ALLIED MILLS, INC., Chicago, Ill. Emergency Hog Feed (1896)	17.06	14.00	4.52	3.00	5.19	7.00	As Certified
Emergency Hog Feed (1599)	16.13	14.00	3.77	3.00	5.00	7.00	Cocoonut oil meal not detected. Found in addition corn gluten feed.
Wayne Pig Meal (1597)	18.31	18.00	4.93	3.50	4.09	7.00	As Certified
R. S. ALTMAN, Irwin, Pa. Altman's Hog Feed (1997)	21.44	15.00	5.51	3.00	4.45	7.00	Found in addition ground oats.
THE BEACON MILLING CO., Cayuga, N.Y. Beacon Hog Feed (1805)	20.38	18.00	5.01	5.00	5.95	7.00	As Certified
JOHN S. BROWN'S SON, New Castle, Pa. Our quality Hog Ration (1969)	17.63	18.00	4.19	5.00	5.48	7.00	Found in addition ground buckwheat.
COOPERATIVE G.L.F. MILLS, INC., Buffalo, N. Y. G.L.F. 14% Hog Feed (1837)	16.50	14.00	5.12	3.50	4.78	6.00	As Certified
JOHN W. ESHELMAN & SONS, Lancaster, Pa. Eshelman Red Rose Hog Meal (1279)	19.13	16.00	5.68	5.00	6.04	10.00	As Certified
Eshelman Red Rose Hog Meal (1394)	18.44	16.00	5.19	5.00	6.51	10.00	Found in addition ground oats.
Eshelman Red Rose Hog Meal (1667)	19.06	16.00	5.02	5.00	7.04	10.00	Found in addition buckwheat.
GRUBB & MADEIRA, Elizabethtown, Pa. G & M Hog Feed (2028)	18.50	19.00	4.24	5.00	7.92	9.00	Found in addition ground oats and ground buckwheat.
THE LARROWE MILLING CO., Detroit, Mich. Larro Pork Maker (2200)	26.88	25.00	6.79	5.00	8.98	10.00	Found in addition bone.
PARK & POLLARD CO., Buffalo, N. Y. Top Notch 16% Ration (1633)	16.13	16.00	3.62	3.50	10.56	12.00	As Certified
PURINA MILLS, St. Louis, Mo. Purina Hog Patona Chow (1676)	18.06	14.00	4.02	3.00	6.53	7.00	Found in addition cottonseed meal, milo maize, ground oats, small amount weed seeds, corn gluten feed and soybean meal.
Purina Pig and Hog Chow (1452; 1717)	33.00	31.00	5.49	3.00	8.70	10.00	As Certified
Purina Pig and Hog Chow (1610)	33.75	29.00	4.72	3.00	7.32	8.00	Found in addition bone meal.
I. D. STEHMAN, Mt. Joy, Pa. Mount Joy Pig Feed (1544)	17.00	16.00	4.27	5.00	3.91	7.00	As Certified
JESSE C. STEWART CO., Pittsburgh, Pa. Iron City Hog Feed (1691)	18.50	15.00	4.51	3.50	5.98	7.00	As Certified
C. Y. WAGNER & CO., Bellefonte, Pa. Wagner's Pig Meal (1430)	20.81	18.00	4.77	4.00	4.58	8.00	Minerals identified as bone meal and limestone. Found in addition soybean oil meal.
Average	20.94	-----	4.84	----	6.38	----	

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
<u>PROPRIETARY CHOP FEED</u>							
<u>CORN AND OATS CHOP</u>							
ACME MILLING CO., Olean, N. Y. Pure Corn and Oat Feed (2190)	10.19	9.50	4.78	4.00	5.38	7.00	As Certified
ALLIED MILLS, INC., Chicago, Ill. Pure Corn and Oats Provender (1606; 1993; 2076; 2164; 2227)	11.11	9.00	4.24	3.50	6.26	10.00	As Certified
COOPERATIVE G.L.F. MILLS, INC., Buffalo, N. Y. Corn and Oats Ground Half and Half (1828; 2135)	11.06	10.00	4.38	4.00	5.48	8.00	As Certified
EMLENTON MILLING CO., LTD., Emlenton, Pa. Corn and Oats Chop (1345)	11.31	9.50	3.85	4.00	6.27	8.00	As Certified
GRAMPION MILLING CO., Grampion, Pa. Pure Corn and Oats Chop (1887)	11.44	10.00	4.10	4.00	4.12	7.00	As Certified
D. H. GRANDIN MILLING CO., Jamestown, N. Y. Ground Corn and Oats (1506)	11.31	9.00	4.05	4.00	6.90	11.00	As Certified
HADLEY MILLS, Hadley, Pa. Corn and Oats Chop (1718)	10.44	-----	3.71	----	6.29	----	As Certified
JACOB & KELLER CO., St. Marys, Pa. J & K Pure Corn and Oats Chop (1726)	9.63	10.00	4.17	4.00	5.08	6.00	As Certified
KLEPSE BROTHERS, Martineburg, Pa. Corn and Oats Chop (2303)	11.06	7.00	5.07	3.00	5.77	9.00	As Certified
MAITLAND ROLLER MILLS, Maitland, Pa. Corn and Oats Chop (1453)	10.94	7-12	3.66	3-5	3.90	2.5-4	As Certified
MARTINSBURG MILLING CO., Martinsburg, Pa. Corn and Oats Chop (2314)	12.44	10.00	4.05	4.00	8.28	6.00	As Certified
MIDLAND MILLING & SUPPLY CO., Midland, Pa. Pure Corn and Oats Chop (2166)	11.44	10.00	4.07	4.00	4.93	6.00	As Certified
MILLERSTOWN FLOUR MILL, Chicora, Pa. Corn and Oats Chop (1741)	10.63	-----	4.01	----	4.21	----	As Certified
E. C. OBERT, Union City, Pa. Pure Corn and Oats Chop (1395)	9.69	10.00	3.44	4.00	7.79	6.00	As Certified
P. J. OESTERLING & SON, Butler, Pa. Pure Corn and Oats (1962)	11.06	9.00	4.12	3.00	5.23	8.00	As Certified
PRATT FOOD COMPANY, Philadelphia, Pa. Pratt's Corn and Oats Chop (2049)	11.75	9.00	4.64	3.50	6.03	8.00	As Certified
PURINA MILLS, Buffalo, N. Y. Corn and Oats Provender (2192; 2206)	11.34	10.00	4.55	4.00	7.77	10.00	As Certified
RED BANK MILLS, New Bethlehem, Pa. Red Bank Milla Corn and Oats Chop(1709)	11.31	10.00	3.67	4.00	6.23	6.00	As Certified
SPRUCE CREEK MILLS, Spruce Creek, Pa. Corn and Oats Chop (1300)	9.44	10.00	2.69	4.00	9.89	9.00	As Certified
JESSE C. STEWART CO., Pittsburgh, Pa. Red Letter Corn and Oats Chop (1877)	11.25	9.00	4.11	3.75	5.87	6.00	As Certified
SCHOPE BROTHERS, Johnstown, Pa. Corn and Oats Chop (1692)	10.25	10.00	5.31	5.50	3.04	4.75	As Certified
TIOGA EMPIRE FEED MILLS, INC., Waverly, N. Y. Derby Ground Corn and Oats (1624)	10.50	9.20	4.06	4.00	5.99	8.00	As Certified
TIONESTA MILLING CO., Tionesta, Pa. Timico Corn and Oats Chop (1983)	11.13	9.00	4.01	4.00	6.01	9.00	As Certified
THE TOLEDO GRAIN & MILLING CO., Toledo, Ohio Camp's Corn and Oats Chop (2085; 2249)	11.66	10.00	4.05	4.00	7.56	8.00	As Certified
WAMPUM MILL CO., Wampum, Pa. Corn and Oats Chop (2053)	10.56	10.50	4.23	4.30	3.96	4.50	As Certified
WELLSVILLE MILLING CO., Harrison Valley, Pa. Welmico Corn and Oats Chop (1628)	11.56	-----	4.13	----	5.61	----	As Certified
Average	11.00	-----	4.15	----	6.04	----	
<u>CHOP FEED</u>							
THE AKRON FEED MILLS, Urbana, Ohio Ohio Chop Feed (1928; 2011; 2141)	7.48	6.00	3.93	2.00	14.53	12.00	As Certified
R. S. ALTMAN, Irwin, Pa. Altman's Chop (1881; 1994)	10.47	9.00	3.31	3.50	8.28	12.00	As Certified
BLANK & GOTTSCHALL CO., INC., Sunbury, Pa.							

TABLE H. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
Special Chop (2121)	P. ct. 13.44	P. ct. ----	P. ct. 4.05	P. ct. ----	P. ct. 13.74	P. ct. ----	Ingredients identified: Corn feed meal, oats, salt, corn gluten feed, linseed oil meal, ground barley, meat scrap, wheat bran, wheat middlings, oat feed, calcium carbonate.
G. & M. MILLING CO., Wyoming, Pa. Corn, Oats and Middlings Chop (1647)	11.19	----	3.68	----	8.18	----	As Certified
HARPER GRAIN CO., Pittsburgh, Pa. Harper Select Chop Feed (2295)	11.75	9.00	4.99	3.00	9.72	12.00	Calcium carbonate not detected.
HEPLER-McNAUGHTON MILLING CO., New Alexandria, Pa. New Alex. Sugared Chop (1616)	9.63	10.00	3.29	3.25	11.85	12.00	As Certified
HUBBARD MILLING CO., Ambridge, Pa. Sunshine Chop Feed (1309)	12.19	10.00	4.16	5.00	9.27	12.00	As Certified
KASCO MILLS, Toledo, Ohio Apex Sugared Chop (2214)	10.00	7.60	4.18	3.00	12.27	12.00	As Certified
MARTINSBURG MILLING CO., Martinsburg, Pa. Mixed Chop (2313)	10.50	9.44	2.78	2.89	11.69	12.00	As Certified
RICHARDS MILLING CO., Cortland, Ohio Richard's Special Chop (1714; 2057; 2129)	9.48	8.00	4.98	3.00	11.00	12.00	As Certified
THE TOLEDO GRAIN & MILLING CO., Toledo, Ohio Camp's C. O. & S. Chop Feed (2084; 2250)	10.84	9.00	4.57	3.00	7.93	11.00	Corn identified as yellow corn.
C. Y. WAGNER & CO., Bellefonte, Pa. Wagner's Standard Chop (1434)	12.69	9-11	4.25	3-4	4.71	5-7	As Certified
Average	10.27	-----	4.11	----	10.58	----	
<u>PROPRIETARY POULTRY SCRATCH AND MASH FEED</u>							
<u>SCRATCH FEED</u>							
ACME MILLING CO., Olean, N. Y. Acme Golden Grains for Baby Chicks (1734)	11.94	10.00	2.68	2.25	1.42	3.00	As Certified
Acme Golden Grains for Laying Hens (2189)	10.94	10.00	2.94	1.80	2.17	4.50	As Certified
ALLIED MILLS INC., Chicago, Ill. Amco Intermediate Scratch Grains (1583)	10.88	10.00	2.10	2.50	2.07	5.00	As Certified
Sucrose Scratch Feed (1420)	10.13	9.00	2.39	2.50	1.91	5.00	As Certified
Wayne Chick Feed (1603)	11.00	8.00	3.51	2.00	1.91	4.00	As Certified
Wayne Intermediate Scratch Feed (1604)	10.50	10.00	3.06	2.50	2.29	4.00	As Certified
Wayne Scratch Feed (1644; 1705; 2036)	10.52	10.00	2.62	2.50	2.41	4.00	As Certified
R. S. ALTMAN, Irwin, Pa. Altman's Scratch Feed (1373)	10.75	9.00	2.75	2.00	2.12	3.00	As Certified
BEACON MILLING CO., Cayuga, N. Y. Beacon Special Scratch Grain (1799)	12.81	9.00	2.83	2.00	3.19	3.50	As Certified
BLANK & GOTTSCHALL CO., INC., Sunbury, Pa. Banner Scratch Feed (2110)	11.25	10.00	3.09	3.50	2.28	4.00	Sunflower seed not detected.
Blue Ribbon Scratch Feed (1655; 2116)	10.34	10.00	2.69	2.25	2.38	4.00	As Certified
Chick Food Invigorator (1660)	11.06	10.50	4.01	2.25	1.96	3.50	Found in addition barley.
Developing Food (2123)	10.75	10.00	2.92	2.50	2.31	2.50	As Certified
Sunbury Blended Hen Food (1662)	10.94	10.00	2.88	2.25	3.95	4.00	As Certified
D. G. BRANDT & SONS, Annville, Pa. Blue Ribbon Scratch Feed (1407)	10.50	10.00	2.78	3.00	2.42	4.00	As Certified
THE G. E. CONKEY CO., Cleveland, Ohio Conkey's Gecco Scratch Grains (1360)	11.00	9.00	2.76	2.00	2.44	3.00	As Certified
Conkey's Pigeon Feed-Breeder (2001)	13.38	13.00	3.62	2.00	3.72	5.00	As Certified
COOPERATIVE G.L.F. MILLS, INC., Buffalo, N. Y. G.L.F. Coarse Scratch (1838)	11.75	10.00	2.25	2.50	2.33	4.00	As Certified
G.L.F. Intermediate Scratch (1834)	11.00	10.00	2.79	2.60	1.93	3.00	As Certified
G.L.F. Super Coarse Scratch (1831)	11.13	10.00	2.89	2.50	2.00	3.00	As Certified
THE ALBERT DICKINSON CO., Chicago, Ill. Dickinson's Globe Poultry Scratch (1729)	10.63	10.00	2.58	2.50	2.48	3.75	As Certified
Rival Poultry Scratch (2014)	10.75	10.00	3.67	2.50	2.12	5.00	As Certified
DIETRICH & GAMBRILL, Frederick, Md. D & G Chick Feed (1404)	10.38	10.00	3.55	3.00	1.61	3.00	As Certified
EASTERN STATES FARMERS EXCHANGE, Springfield, Mass. Eastern States Scratch Grains (1907)	11.13	10.00	2.95	2.50	3.19	4.00	As Certified
JOHN W. ESHELMAN & SONS, Lancaster, Pa. Eshelman's Poultry Scratch Feed (1661)	9.50	9.00	3.52	2.50	2.02	4.00	As Certified
Eshelman's Red Rose Intermediate Chick Grains (1392)	11.00	10.00	3.95	3.00	1.92	3.00	As Certified
Eshelman's Red Rose Scratch Grains (1393)	10.44	10.00	2.85	2.50	2.25	4.00	As Certified
Lancaster Pigeon Feed (1496)	13.81	12.00	3.66	3.00	3.54	3.00	As Certified
G. & M. MILLING CO., Wyoming, Pa. Wyoming Scratch Feed (1648)	10.06	10.00	2.87	2.00	2.91	5.00	Found in addition oats.



TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
THE GREAT ATLANTIC & PACIFIC TEA CO., Minneapolis, Minn. Daily Egg Scratch Feed (2260)	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	As Certified
	11.38	10.00	2.91	2.50	2.86	5.00	
HARPER GRAIN CO., Pittsburgh, Pa. Harper's Select Scratch Feed (1775)	10.06	9.50	3.32	2.50	3.15	5.00	As Certified
HUBBARD MILLING CO., Ambridge, Pa. Hubbard's Sunshine Scratch Feed (1311)	11.00	9.00	2.53	2.50	2.73	6.00	As Certified
IRON CITY ELEVATOR CO., INC., Pittsburgh, Pa. Iron City Brand Scratch Feed (1367;1880)	10.16	9.00	3.31	2.50	2.76	5.00	As Certified
KASCO MILLS INC., Weverly, N. Y. OC-Sek Chick Greins (2006)	11.38	9.00	5.48	2.50	1.78	3.50	As Certified
KROGER GROCERY & BAKING CO., Cincinnati, Ohio Kroger's Special Scratch Feed (2266)	10.63	9.50	3.12	2.50	2.31	5.00	As Certified
THE LARROWE MILLING CO., Detroit, Mich. Lerro Scratch Greins (1357; 2203)	11.53	10.00	2.87	2.00	2.27	3.50	As Certified
MARITIME MILLING CO., INC., Buffalo, N. Y. Bull Brand Developing Feed (1711)	10.56	10.00	3.45	2.00	2.24	5.00	As Certified
MIFFLINBURG FARMERS EXCHANGE, INC., Mifflinburg, Pa. Healthy Chick Food (1783)	11.13	11.00	3.71	3.50	1.63	3.00	Found in addition small amount corn cockle.
	11.75	10.00	3.58	3.50	2.69	3.00	As Certified
HEALTHY HEN FOOD (1787)							
GEO. Q. MOON & CO., INC., Singhamton, N. Y. Moon's Scratch Feed (2127)	10.75	10.00	2.97	2.00	2.86	5.00	As Certified
NOWAK MILLING CORPORATION, Ramond, Ind. Domino Scratch Feed (2257) Export Scratch Feed (2259)	11.50 10.75	10.00 9.00	2.45 2.46	2.00 2.00	2.83 2.22	4.00 5.00	As Certified As Certified
PAXTON FLOUR & FEED CO., Harrisburg, Pa. Scratch Greins (2180)	11.50	-----	3.38	----	2.67	----	As Certified
PITSTON MILLING CO., Pittston, Pa. City Mills No. 1 Scratch Feed (2111)	10.75	8-10	3.00	4-6	2.64	4.00	As Certified
POLO MILLS CO., East St. Louis, Ill. Special Scratch Feed (1362)	10.38	10.00	2.89	3.00	2.30	5.00	Barley not detected. Found in addition Kaffir corn.
PRATT FOOD CO., Philadelphia, Pa. Prett's Circle A Large Scratch Feed (1326; 2258)	11.94	10.00	2.59	2.00	2.32	4.00	As Certified
Prett's Utility Large Scratch Feed (1794)	11.31	10.00	2.36	2.00	2.14	4.00	As Certified
Target Scratching Greins (1791)	11.38	9.50	3.06	3.00	2.82	5.00	As Certified
PURINA MILLS, St. Louis, Mo. Protene Scratch Feed (1674; 2109) Purine Chick Chow (1480) Purine Hen Chow (1451; 1671) Purine Intermediate Hen Chow (1479) Purine Pigeon Chow (1374)	10.78 11.56 10.00 10.84 10.50 14.50	9.50 10.00 10.00 10.00 10.00 13.50	2.81 3.03 2.00 3.98 2.94 2.43	2.00 2.00 2.50 2.50 2.50 2.00	2.52 2.55 4.04 1.93 2.76 4.00	4.00 4.00 4.00 4.00 4.00 4.00	As Certified As Certified As Certified As Certified As Certified As Certified
THE QUAKER OATS CO., Chicago, Ill. Early Bird Scratch Grain (1738) Ful-O-Pep Pine Chick Feed (1739) Ful-O-Pep Scratch Greins (2022; 2255)	11.81 11.19 10.37	9.50 11.00 9.00	2.40 2.62 2.95	2.00 2.50 2.00	3.55 1.92 2.35	3.50 2.00 3.00	As Certified As Certified As Certified
THE RICHARDS MILLING CO., Cortland, Ohio Cortland Scratch Greins (1500) Thrift Baby Chick Feed (1798)	10.99 11.88	9.00 9.00	2.64 2.68	2.50 3.50	2.58 2.10	6.00 6.00	As Certified As Certified
JESSE C. STEWART CO., Pittsburgh, Pa. Red Letter Brand (3) Cracked Corn (1566) Red Letter Brand Scratch Feed (2102)	9.56 10.88	10.00 9.00	3.80 3.57	3.00 2.50	1.92 2.53	5.00 5.00	As Certified Barley not detected.
D. A. STICKELL & SONS, Regetstown, Md. Blue Ridge Chick Feed (1387) Blue Ridge Scratch Grains (1383) Su-Pur Chick Feed (1955)	11.69 10.13 12.50	10.00 10.00 10.00	5.18 2.48 5.18	2.50 2.50 2.50	2.15 2.30 2.37	5.00 5.00 5.00	As Certified As Certified As Certified
THE USIKO MILLING CO., Cincinnati, Ohio Usiko Glendale Scratch Feed (1356)	10.13	9.00	3.27	2.50	2.31	5.00	As Certified
VITALITY MILLS, INC., Chicago, Ill. Advance Scratch (1286) Sunflower Coarse Chick (2009) Sunflower Scratch Feed (1941)	10.31 10.69 10.31	10.00 10.00 10.00	2.73 3.53 3.03	2.00 2.00 2.50	2.10 1.94 2.50	6.00 5.00 5.00	As Certified As Certified As Certified
WESTERN FLOUR CO., Charleroi, Pa. Economy's Mixed Grain Scratch (1759)	9.75	-----	2.44	----	2.36	----	As Certified
Average	10.99	-----	3.07	----	2.45	----	
<u>MASR FEED</u>							
ACME MILLING CO., Olean, N. Y. Acme Golden Mesh for Laying Hens (2188)	25.75	22.00	5.76	3.50	4.36	6.00	Found in addition small amount ground screenings.



TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
THE AKRON FEED MILLS, Urbana, Ohio Portage Chick Starter (2008)	17.31	15.00	5.69	4.00	5.22	6.00	As Certified
ALLIED MILLS, INC., Chicago, Ill. Amco Egg Mash (1586)	21.44	20.00	5.46	4.00	4.21	7.00	As Certified
Amco Starting and Growing Mash (1687)	19.69	17.00	4.77	4.00	4.61	6.00	As Certified
Amco Starting and Growing Mash with Cod Liver Oil (1584)	18.63	17.00	4.82	4.00	4.10	6.00	As Certified
Amco Super Egg Mash (1585)	19.13	18.50	4.73	4.00	4.41	7.00	As Certified
Sucrene All Mash Poultry Feed (1602)	17.31	15.50	4.69	3.50	6.26	8.00	As Certified
Wayne's All Mash Chick Starter (1436)	18.88	17.00	5.38	4.00	5.04	6.00	As Certified
Wayne's All Mash Chick Starter with Cod Liver Oil (1416;1594;1754)	18.46	17.00	4.88	4.00	4.85	6.00	As Certified
Wayne's All Mash Grower (1596; 1753)	16.91	16.00	4.62	4.00	4.64	6.00	As Certified
Wayne's Broiler Ration (2075)	17.44	17.00	5.03	3.50	6.49	8.00	As Certified
Wayne's Egg Mash (1437; 1646)	19.06	18.00	4.94	3.50	5.01	7.00	As Certified
Wayne's Starter and Grower (1595)	16.25	16.00	3.84	3.50	4.86	6.00	As Certified
Wayne's Turkey Mash (1765)	16.81	15.00	4.77	3.50	6.43	8.00	As Certified
Wayne's Turkey Mash (2035)	15.56	15.00	4.88	3.50	7.82	8.00	Soybean meal not detected.
Wayne's 26% Mash Supplement (2074)	25.94	26.00	4.92	4.00	6.56	7.00	As Certified
R. S. ALTMAN, Irwin, Pa. Altman's Buttermilk Starting (1996)	17.94	17.00	5.83	4.00	4.57	7.00	Found in addition charcoal and linseed meal.
Altman's Growing Mash (1331;1371;1763)	17.54	17.00	5.43	4.00	5.77	7.00	As Certified
Altman's Quality Egg Mash (1370;1762)	20.15	20.00	5.67	4.00	5.65	7.00	As Certified
Altman's Quality Egg Mash (1353)	21.50	20.00	5.38	4.00	4.90	7.00	Found in addition ground corn and oats.
G. M. ANTHONY, Strassstown, Pa. Anthony's Perfectly Balanced Laying Mash (2201)	22.31	20.00	5.14	5.00	4.96	7.50	As Certified
ATLANTIC FEED & SUPPLY CO., Atlantic, Pa. Afco Growing Mash (1866)	16.69	17.00	4.62	3.00	5.53	7.00	Found in addition powdered milk and calcium carbonate.
THE BEACON MILLING CO., Cayuga, N.Y. Beacon Broiler Feed (1809)	19.56	15.00	5.02	4.00	4.69	6.00	As Certified
Beacon Cayuga Growing Mash (1806)	17.81	16.00	4.71	4.00	5.93	7.00	As Certified
Beacon Cayuga Laying Mash with Butter- milk (1800)	22.06	20.00	4.95	4.00	5.94	7.00	As Certified
Beacon Complete Starting Ration (1808)	18.75	16.50	4.42	4.00	4.71	6.00	As Certified
Beacon Egg Mash (1807)	22.94	21.00	4.83	4.50	5.49	7.00	As Certified
Beacon Growing Mash (1801)	18.38	17.00	4.58	4.00	6.47	7.00	As Certified
BLACK ROCK MILLING CO., Buffalo, N.Y. Bidwell Dry Mash (1635)	19.38	18.00	4.55	3.00	4.98	8.00	As Certified
BLANK & GOTTSHALL CO., INC., Sunbury, Pa. B & G Growing Mash with Buttermilk (1656)	18.38	18.00	5.92	6.00	5.01	7.00	As Certified
B & G Mash Feed (2122)	18.75	17.00	5.13	5.00	7.49	9.00	As Certified
G. E. CONKEY CO., Cleveland, Ohio Conkey's All Mash Chick Ration (1769)	16.63	16.00	5.75	5.50	4.53	6.50	As Certified
Conkey's Gecco Egg Mash (1768; 2276)	21.28	20.00	6.03	5.00	5.06	7.00	As Certified
Conkey's Gecco Growing Mash (1770)	18.81	18.00	6.02	6.00	5.07	7.00	As Certified
COOPERATIVE G.L.F. MILLS, INC., Buffalo, N. Y. G.L.F. Laying Mash (1618; 1836)	20.53	20.00	5.32	4.00	6.03	7.50	As Certified
G.L.F. Starting and Growing Mash (1620; 1827)	18.87	17.50	4.76	4.00	3.99	6.00	As Certified
G.L.F. Super Laying Mash (1832)	19.56	18.50	5.06	4.00	5.24	7.00	As Certified
G.L.F. Super Laying and Breeding Mash (1835)	19.25	18.50	4.66	4.00	6.11	7.50	As Certified
DANVILLE MILLING CO., Danville, Pa. The Great Egg Producer (1476)	17.94	15.00	4.20	4.00	4.95	6.00	Iron sulphate not detected. Found in addition bone char- coal and ground oats.
THE ALBERT DICKINSON CO., Chicago, Ill. Globe Laying Glob-ets (1507)	18.56	18.00	5.41	3.50	5.20	7.00	Soybean meal and dried buttermilk not detected.
Rival Egg Mash (2013)	21.13	20.00	4.90	4.00	4.49	7.00	As Certified
DIETRICH & GAMBRILL, Frederick, Md. D & G Laying Mash (1405)	22.69	20.00	5.18	5.00	5.09	7.00	As Certified
Frederick Laying Mash (1306)	20.00	18.00	4.92	3.50	5.47	8.00	As Certified
Gambrill's Chick Starter (1406)	19.06	16.00	5.69	4.00	3.25	4.50	Peanut meal not detected.
DIXIE MILLS CO., East St. Louis, Ill. Dixie Chick Mash (1364)	18.56	16.50	6.09	4.00	4.85	4.00	As Certified
EASTERN STATES FARMERS EXCHANGE, Springfield, Mass. Eastern States Developing Mash (1776)	20.50	18.50	5.28	4.00	6.22	6.60	As Certified
Eastern States Fitting Ration (1778)	14.38	12.00	4.29	3.50	6.16	7.00	As Certified
Eastern States Milk Egg Mash (with Cod Liver Oil ) (1780)	18.81	17.00	5.70	4.00	5.39	6.50	As Certified
Eastern States Producer Mash (with Oil) (2171)	18.50	17.00	5.60	4.00	5.26	6.50	As Certified
Eastern States Starting and Broiler Rations (with Cod Liver Oil) (1781)	20.44	18.50	5.44	4.00	4.10	5.00	As Certified
JOHN W. ESHELMAN & SONS, Lancaster, Pa. Eshelman's Red Rose Fattening Mash (1689)	15.75	14.00	4.65	4.00	3.44	5.00	As Certified
Eshelman's Red Rose Growing Mash (1673)	18.06	16.00	5.68	4.00	5.94	7.00	As Certified
Eshelman's Red Rose Laying Mash (1390)	22.75	20.00	6.42	5.00	5.84	7.00	As Certified
Maintenance 20% Laying Mash (1989)	20.38	20.00	6.06	4.50	4.06	8.00	As Certified
G. & M. MILLING CO., Wyoming, Pa. G. & M. Egg Producer Laying Mash (1654)	20.56	19.00	6.83	4.50	4.89	6.60	Found in addition meat, bone scrap and alfalfa meal.

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
G. & M. Growing Mash (1649)	P. ct. 20.38	P. ct. 18.00	P. ct. 5.97	P. ct. 5.00	P. ct. 4.47	P. ct. 5.00	As Certified
GRUBB & MADEIRA, Elizabethtown, Pa.	22.31	21.00	5.37	5.25	5.57	5.75	As Certified
G. & M. Egg Mash (2024)	21.50	22.00	4.81	4.50	6.05	5.75	Found in addition linseed oil meal.
G. & M. Molasses Egg Mash (2025)							
HALES & HUNTER CO., Chicago, Ill.							
Red Comb Egg Mash With Dried Buttermilk (2269)	19.41	18.00	5.66	4.00	6.05	7.00	Found in addition ground barley.
HAMMOND MILLS, Hammond, Ind.							
Utility Laying Mash (2003)	23.06	20.00	5.84	4.50	5.97	7.00	As Certified
HARPER GRAIN CO., Pittsburgh, Pa.							
Radio Laying Mash with Buttermilk (1368)	20.19	20.00	5.33	4.00	5.32	8.00	As Certified
Radio Starting and Growing Mash (1369)	15.69	15.00	4.62	4.00	4.77	5.00	As Certified
HEPLER-McNAUGHTON MILLING CO., New Alexandria, Pa.							
New Alex. Egg Mash (1615)	20.63	20.00	6.09	5.00	5.52	7.00	As Certified
HOFFER & GARMAN, Mechanicsburg, Pa.							
Mash Feed (2181)	20.00	20.00	5.69	4.00	5.23	6.50	Found in addition small amount ground cockle.
JUNIATA ROLLER MILLS, Thompsontown, Pa.							
Quality Laying Mash (2031)	18.25	16.05	4.36	4.00	5.25	6.50	As Certified
KASCO MILLS, INC., Waverly, N. Y.							
Apex All Mash Starter and Grower (2005)	16.63	15.00	4.81	4.00	5.03	6.00	As Certified
CHAS. A. KRAUSE MILLING CO., Milwaukee, Wis.							
Amerikorn Pattener Ration (1975)	16.63	14.00	4.76	3.50	5.37	5.00	As Certified
KooKoo Growing Mash (1682)	18.63	17.00	5.64	4.00	4.62	5.50	As Certified
THE LARROWE MILLING CO., Detroit, Mich.							
Larro Egg Mash (1944; 2199)	20.47	19.00	5.43	5.00	6.56	7.50	As Certified
LEBANON MILLING CO., Lebanon, Pa.							
Blue Ribbon Laying Mash (1539)	17.63	17.00	5.24	4.50	5.11	8.00	Candied copra not detected. Found in addition small amount ground screenings.
MARITIME MILLING CO., INC., Buffalo, N. Y.							
88 Daisy Egg Mash (1712)	18.94	18.00	5.01	3.50	5.74	7.00	As Certified
MIFFLINBURG FARMERS EXCHANGE, INC., Mifflinburg, Pa.							
Farmers' Exchange Egg Mash (1785)	18.50	18.50	4.15	4.00	7.05	7.50	As Certified
THE MOTHER HUBBARD FLOUR CO., Pittsburgh, Pa.							
Hubbard's Sunshine Egg Mash (1310)	22.50	22.00	5.86	5.00	8.81	9.00	As Certified
MURPHY PRODUCTS CO., Burlington, Wis.							
Vit-O-Ray for Poultry (2015)	34.44	27.00	6.11	3.70	8.75	11.00	Found in addition soybean meal.
PARK & POLLARD CO., Buffalo, N. Y.							
Lay or Bust Dry Mash (1640)	17.31	18.00	3.93	3.00	5.28	7.00	Soybean meal not detected.
PRATT FOOD CO., Hammond, Ind.							
Pratt's All Mash Chick Starter (1793)	18.19	16.00	4.87	4.00	4.63	4.00	As Certified
Pratt's Cak-Cak Egg Mash with Buttermilk (2251)	20.00	18.00	5.43	4.00	6.29	8.00	As Certified
Pratt's Cak-Cak Egg Mash with Buttermilk (1792)	19.81	18.00	5.29	4.00	6.19	8.00	Found in addition
Pratt's Growing Mash with Buttermilk (1323)	19.75	17.50	5.38	4.50	5.99	6.00	ground Kaffir corn.
Pratt's Laying Mash with Buttermilk (1358)	22.06	20.00	6.21	4.50	5.30	6.75	As Certified
PURINA MILLS, St. Louis, Mo.							
Purina All Mash Starters Chow (1447; 1612)	20.37	18.00	5.09	4.00	4.52	7.00	As Certified
Purina Chick Growers Chow (1449; 1939)	18.91	17.00	4.86	3.50	5.92	7.00	As Certified
Purina Chick Starters Chow (1448; 1478; 1679)	21.30	19.00	5.17	4.00	5.08	7.00	As Certified
Purina Chicken Patens Chow (1376)	13.44	12.00	4.72	3.00	5.39	6.60	As Certified
Purina Egg Chowder (1450; 1611; 1677)	21.46	19.00	5.01	3.50	6.92	8.00	As Certified
Purina Lay Chow (1454)	18.81	17.00	4.68	2.50	6.35	8.00	As Certified
THE QUAKER OATS CO., Chicago, Ill.							
Quaker Pul-O-Pep Chick Starter (1424)	18.75	17.00	6.05	5.00	5.68	7.00	As Certified
Quaker Pul-O-Pep Egg Mash (1324; 1359; 1425; 2298)	21.47	20.00	5.86	4.50	6.18	8.00	As Certified
Quaker Pul-O-Pep Growing Mash (1423)	19.75	19.00	5.89	5.00	5.30	6.00	Found in addition bone meal.
GEO. L. REED MILLING CO., Brookville, Pa.							
Triangle Egg Mash (1895)	22.25	20.00	5.06	4.00	5.24	6.00	As Certified
THE RICHARDS MILLING CO., Cortland, Ohio							
Associated Cash Dealers Laying Mash- Mineralized (1498)	20.56	20.00	5.66	3.00	3.62	6.90	Cocoonut oil meal not detected. Found in addition small amount ground screen- ings.
Cash Laying Mash with Buttermilk and Cod Liver Oil (2128)	20.56	20.00	5.25	3.00	5.50	6.90	As Certified
Cash Laying Mash with Buttermilk and Cod Liver Oil (2101)	21.44	20.00	5.14	3.00	6.15	6.90	Cocoonut oil meal not detected. Found in addition glumees from corn cob and ground whole oats.
Growing Mash (1499)	18.81	18.00	5.90	3.00	3.90	6.90	Cocoonut oil meal not detected. Found in addition ground buckwheat.
Richard's Thrift Laying Mash (2272)	21.50	19.00	4.54	3.00	6.06	6.90	As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
Spot Cash (2210)	P. ct. 26.19	P. ct. 24.00	P. ct. 2.90	P. ct. 4.50	P. ct. 7.35	P. ct. 10.00	Cocoanut oil meal not detected. Found in addition oat meal mill by-products.
ROTEX MILLING CO., Cleveland, Ohio Growing Mash (2004)	19.63	18.00	5.55	3.50	3.55	7.00	As Certified
J. C. SNAVELY & SONS, Landisville, Pa. Egg Mash (2018)	19.00	18.00	3.67	4.50	4.69	7.00	As Certified
SOYA PRODUCTS INC., Chicago, Ill. Super Soy (1598) Super Soy (2042)	37.38 38.69	37.00 37.00	6.42 6.33	5.00 5.00	4.99 5.21	6.50 6.50	As Certified Ingredients identified: Soybean oil, ground limestone, bone meal, iron oxide and salt.
SPRUCE CREEK MILLS, Spruce Creek, Pa. One Way Laying Mash (1290)	19.81	18.00	5.96	4.00	5.58	6.00	Dried buttermilk not detected. Found in addition charcoal.
I. D. STEHRMAN, Mt. Joy, Pa. 8 & S Dry Mash (1542) 8 & S Growing Feed (1543)	21.56 24.44	22.00 18.00	4.31 5.08	3.00 4.00	6.93 4.07	9.00 6.00	Aa Certified Ae Certified
JESSE C. STEWART CO., Pittsburgh, Pa. Red Letter Brand (S) Growing Mash (1365)	16.69	16.00	5.31	4.00	6.54	7.00	As Certified
SHOPE BROTHERS, Johnstown, Pa. Big 5 Egg Mash (2241) Cackle Egg Mash (2240)	23.94 23.94	22.00 21.00	6.81 6.09	7.00 6.00	4.83 4.40	4.00 7.00	As Certified As Certified
TIOGA EMPIRE FEED MILLS, INC., Waverly, N. Y. Egatine with Cod Liver Oil Added (1623)	26.63	23.00	4.75	3.00	4.66	6.00	As Certified
JACOB TRINLEY & SONS, Linfield, Pa. Real Growing Mash (1912)	17.69	17.00	4.66	4.00	7.66	10.00	As Certified
THE UBIKO MILLING CO., Cincinnati, Ohio Ubiko All Mash Starter (1317) Ubiko Egg Mash (1316; 1355)	20.00 22.90	18.00 20.00	5.22 4.79	4.00 4.00	4.20 5.16	5.00 6.00	As Certified As Certified
VITALITY MILLS INC., Chicago, Ill. C-Er-Pay Laying Feed (1283)	19.50	18.00	4.77	3.50	5.43	8.00	Buttermilk not detected. Found in addition Kaffir corn.
Sunflower Egg Mash (1282)	18.56	20.00	4.99	4.50	5.79	8.00	Buttermilk and skim milk not detected.
Vitality Circle Bee Growing Mash (2061)	15.88	15.00	5.05	4.00	4.96	7.00	Soybean meal not detected.
C. Y. WAGNER & CO., Bellefonte, Pa. Wagner's Poultry Mash (1431)	21.56	18.00	4.79	3.50	6.30	9.00	Found in addition corn chop, gluten feed and soybean oil meal.
Wagner's Starter and Grower (1433)	18.88	16.00	5.06	3.00	3.54	7.50	Found in addition small amount charcoal and ground corn cackle.
WAMPUM MILL CO., Wampum, Pa. Silver Star Egg Mash (2054)	20.56	20.00	5.82	6.00	5.26	5.00	As Certified
WEBB BROTHERS, Altoona, Pa. Webb Brothare Poultry Mash (2267)	22.63	18.00	5.68	3.50	6.58	12.50	As Certified
WESTERN FLOUR CO., Charleroi, Pa. Economy's Egg Mash with Buttermilk and Nopco XX Cod Liver Oil (1757)	18.63	18.00	5.72	3.60	5.71	8.00	As Certified
THE WHITE MILLING CO., Bloomsburg, Pa. Keystone Chick Starter (1464) Keystone Egg Producer (1466) Keystone Growing Mash (1465)	17.00 19.95 17.06	18.00 18.00 18.00	5.37 5.12 5.38	4.00 4.00 4.00	4.05 4.64 4.18	8.00 7.00 7.00	As Certified As Certified As Certified
J. W. WOLGEMUTH, Rheeme, Pa. J. W. Special Dry Mash (1391)	22.88	22.00	4.57	4.00	5.87	8.00	As Certified
Average	20.10	-----	5.21	----	5.40	----	
<u>PROPRIETARY SMALL ANIMAL FEEDS</u>							
ALLIED MILLS, INC., Buffalo, N. Y. Wayne Dog Siscuit (2043) Wayne Dog Ration (2044; 2228) Wayne Rabbit Feed (1560)	21.06 16.78 16.25	15.00 14.00 13.00	1.03 2.45 3.59	1.00 1.00 3.50	0.64 1.31 7.92	1.50 1.50 8.00	As Certified As Certified As Certified
BATTLE CREEK DOG FOOD CO., Battle Creek, Mich. Miller's A-1 Siscuit (1559)	20.00	13.00	1.11	1.30	0.67	1.30	Ingredients identified: Corn, meat, blood meal, wheat and salt.
CALIFORNIA ANIMAL PRODUCTS CO., INC., Oakland, California Calo Dog Food (2238)	8.88	-----	2.60	----	0.43	----	As Certified
CHAFFEL BROTHERS INC., Rockford, Ill. Ken-L-Siscuit (2236) Ken-L-Ration (2237)	24.69 11.85	22.00 -----	2.91 3.16	2.50 ----	1.33 0.41	1.50 ----	Ae Certified Ae Certified
O. E. CONKEY CO., Cleveland, Ohio Conkey's Balanced Rabbit Feed (1999)	14.50	12.50	5.24	3.50	3.98	6.00	Soybean meal not detected.
THE ALBERT DICKINSON CO., Chicago, Ill. Dickinson Dog Feed (2016)	32.13	30.00	5.44	6.00	2.27	3.50	As Certified



TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	
Dickinson Globe Rabbit Glob-ets (2017)	14.88	12.00	4.05	4.00	5.41	5.50	As Certified
JOHN W. ESHELMAN & SONS, Lancaster, Pa. Red Rose Rabbit Feed (Pelleted) (1495)	16.13	12.00	4.53	3.50	7.89	9.50	As Certified
GAINES FOOD CO., Sherburne, N. Y. Vita-Gaines Dog Feed (2098)	7.98	-----	3.18	----	0.45	----	As Certified
BALES & HUNTER CO., Chicago, Ill. Lehigh Packing Rabbit Breeder Feed (1898)	13.50	12.00	2.40	2.00	13.94	20.00	As Certified
Red Born Rabbit Feed (1897)	15.66	12.00	4.40	3.50	2.61	5.00	As Certified
NOWAK MILLING CORPORATION, Hammond, Ind. Domino All-In-One Rab-ets (2173)	13.56	12.00	4.03	3.00	14.44	16.50	As Certified
Domino Rabbit Pel-ete (2172)	13.88	12.00	4.02	4.00	8.39	10.00	As Certified
PERFECTION FOODS CO., Battle Creek, Michigan Perfection Dog Food (1710)	23.31	-----	3.95	----	2.21	----	Ingredients identified: Wheat products, soybean meal, meat and bone, malt barley.
PURINA MILLS, Buffalo, N. Y. Purina Dog Chow (1561)	22.38	-----	3.96	----	1.86	----	Ingredients identified: Dried meat, corn grits, ground oat groats, wheat germ, wheat bran, barley malt, molasses, dried buttermilk, 1% iodized salt, cod liver oil.
Purina Dog Chow (2234)	23.38	20.00	6.44	3.00	2.77	6.00	As Certified
Purina Fox Chow (1937)	22.25	20.00	6.05	3.00	2.08	6.00	Ground oat groats and iodized salt not detected. Found in addition soybean meal.
Purina Rabbit Chow (1562)	18.38	-----	4.66	----	6.35	----	Ingredients identified: Wheat germ, soybean oil meal, alfalfa leaf meal, ground oats, wheat middlings, corn germ meal, corn meal, molasses, 1% calcium carbonate (limestone), 2% iodized salt.
G. F. ROSE & CO., Nashville, Tenn. Rose's Dog and Puppie Feed (1563)	23.81	-----	3.23	----	2.21	----	Ingredients identified: Bran, special processed meat, wheat, corn and middlings
SIMPSON PRODUCTS CO., Terre Haute, Ind. Doggie Dinner (The Perfect Dog Food) (2239)	9.44	8.30	3.79	2.90	0.30	0.26	As Certified
SPRATT'S PATENT LIMITED, Newark, N.J. Spratt's Cat Food (2148)	25.81	19.00	1.95	1.75	0.67	2.00	As Certified
Spratt's Fibro (2149)	24.00	19.00	1.94	1.75	0.69	2.00	As Certified
X Spix X Dog Cakes (2147)	21.56	19.00	1.72	1.75	0.73	2.00	As Certified
VITALITY MILLS INC., Chicago, Ill. Vitality Rabbit Feed (1285)	16.31	14.00	4.08	3.00	6.05	12.00	As Certified
Vitality Rabbit Pellets (2012)	16.13	12.00	4.03	2.75	7.19	12.00	As Certified
Average	18.11	-----	3.53	----	3.67	----	
<u>MILK BY-PRODUCT FEEDS</u>							
<u>SEMI-SOLID BUTTERMILK</u>							
ALLIED MILLS, INC., Fort Wayne, Ind. Wayne Brand Condensed Buttermilk (2312)	9.75	10.00	2.95	2.00	*24.94	27.00	As Certified
CONSOLIDATED PRODUCTS CO., Chicago, Ill. Semi-Solid Buttermilk (2182; 2282; 2283; 2284)	11.20	10.00	2.32	2.00	*26.70	27.00	As Certified
HERSBEY CREAMERY CO., Chambersburg, Pa. Chic-O-Lac (1700)	11.81	11.00	0.27	0.20	*25.64	26.00	As Certified
HOOSIER CONDENSED MILK CO., Bluffton, Ind. Milk-Ko-Lac (2280)	13.25	10.00	0.39	0.20	*28.95	*27.00	As Certified
I. H. NESTER, Philadelphia, Pa. Nestco Condensed Buttermilk (2279)	11.31	10.00	2.19	2.50	*25.00	27.00	As Certified
RONCK & BEVIS CO., Philadelphia, Pa. Sweet Cream Buttermilk and Soured Condensed Skim milk (1923)	12.00	11.00	0.90	1.50	*27.87	28.00	As Certified
Average	11.44	-----	1.78	----	*26.57	-----	As Certified
<u>DRIED BUTTERMILK</u>							
CONSOLIDATED FEED & GRAIN CO., INC., Buffalo, N. Y. Bison Dried Buttermilk (1471)	32.69	30.00	2.02	5.00	----	----	As Certified
S. T. EDWARDS & CO., INC., Chicago, Ill. Yankee Dried Buttermilk for Animal and Poultry Feed (1295)	38.50	32.00	3.84	4.00	----	----	As Certified
LAND O' LAKES CREAMERIES, INC., Minneapolis, Minn. Dried Buttermilk (1572; 1900)	34.03	30.00	3.09	5.00	----	----	As Certified

\*Found--Total Solids

\*\*Guarantee--Total Solids

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
W. G. SLUGG, Milwaukee, Wis. Slugg's Pure Dried Buttermilk Feed (1657; 1BBB; 203B)	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
Average	33.61 34.30	30.00 -----	2.55 2.51	0.60 -----	-----	-----	As Certified
<u>DRIED SKIMMILK</u>							
BOWMAN DAIRY CO., Chicago, Ill. Bowman's Dry Skimmilk (1487)	34.50	36.00	0.95	0.25	-----	-----	As Certified
DAIRYMEN'S LEAGUE COOPERATIVE ASSOCIATION, Utica, N. Y. Dairylea Dried Skimmilk for Animal and Poultry Feed (1B43)	34.31	33.00	1.02	0.75	-----	-----	As Certified
S. T. EDWARDS & CO., INC., Chicago, Ill. Butterfly Dried Skimmed Milk (1910; 1991; 2161)	34.46	32.00	0.85	0.25	-----	-----	As Certified
FAIRFIELD WESTERN MARYLAND DAIRY, Baltimore, Md. Skimmilk Powder (1385)	34.56	35.00	1.39	0.50	-----	-----	As Certified
HERSHEY CREAMERY CO., Chambersburg, Pa. Hershey's Superior Powdered Skimmilk (1699)	35.63	32.00	0.91	0.25	-----	-----	As Certified
KEYSTONE DAIRY CO., New York, N. Y. Skimmilk Powder (1571)	33.44	32.00	0.97	0.75	-----	-----	As Certified
Average	34.48	-----	0.97	-----	-----	-----	As Certified
<u>MISCELLANEOUS FEEDS</u>							
C. V. ADAMS, Lancaster, Pa. Adams' Pulverized and Bolted Flaxseed Screenings (2156)	19.75	18.00	17.47	17.00	11.3B	14.0C	As Certified
CONSUMERS IMPORT CO., INC., New York, N. Y. Pure Cod Liver Meal (14B5)	49.3B	50-55	33.31	30-35	0.72	0.50	As Certified
THE JERSEE CO., Minneapolis, Minn. Jersee Milk Food Compound (1956)	19.06	9.00	3.36	4.50	2.29	6.00	St. Johns' bread not detected.
RONCK & BEVIS CO., Philadelphia, Pa. Ro-Be Feeding Mineral for Poultry Cattle and Hogs (1922)	-----	-----	-----	-----	-----	-----	As Certified
Ro-Be Special Mineral (1B22)	-----	-----	-----	-----	-----	-----	As Certified
STUHR-SEIDL CO., Minneapolis, Minn. Spence Flaxseed Feed (2020)	16.06	15.00	8.23	8.00	13.67	12.00	As Certified
<u>ANIMAL BY-PRODUCTS</u>							
<u>MEAT AND BONE SCRAP</u>							
BAUGH & SONS CO., Philadelphia, Pa. Baugh's Oldest Brand Meat and Bone Scrap (1905)	50.00	50.00	11.5B	6.00	2.88	3.00	As Certified
E. G. BUCHSIEB INC., Columbus, Ohio Buchsieb's 50% Meat Scraps (1931)	55.31	50.00	11.49	5.00	1.66	3.00	As Certified
CONSOLIDATED BY-PRODUCTS CO., Philadelphia, Pa. Consolidated Beef and Bone Scrap (1911)	50.63	45.00	10.26	7.00	1.45	3.00	As Certified
DARLING & CO., Buffalo, N. Y. Protox Meat and Bone Scrap (1924)	5B.13	55.00	9.43	3.00	2.10	3.00	As Certified
ECONOMY REDUCTION CORPORATION, Buffalo, N. Y. Economy Scrap Roasted Meat and Bone Scrap (1334)	50.63	50.00	10.21	4.00	1.64	5.00	Found in addition ground hoof.
ENTERPRISE TALLOW & GREASE CO., Philadelphia, Pa. Enterprise Del-Mar-Va Meat Scrap (1904)	51.44	50.00	11.05	10.00	2.01	2.00	As Certified
FLAG FISH CO., INC., New York, N. Y. High Grade Meat Meal (1890)	49.31	50.00	13.05	7.00	2.19	3.00	As Certified
GREENSBURG BY-PRODUCTS CO., Greensburg, Pa. Quality Meat Scraps (12B0; 1943; 2145; 2275)	54.05	55.00	11.02	10.00	1.25	2.00	As Certified
HAPLEIGH & CO., Buchanan, Va. Pure Raw Bone Meal (1570)	25.19	23.00	0.58	1.00	0.63	0.50	As Certified
T. T. MOLL, Frewsburg, Pa. Chautauque Meat and Bone Scrap (1B63; 1925)	49.09	45.00	10.58	8.00	1.43	3.00	As Certified
MUTUAL RENDERING CO., Philadelphia, Pa. 45% Mureco Meat and Bone (1908)	45.94	45.00	10.02	6.00	1.13	2.00	As Certified
PENNSYLVANIA HIDE CO., INC., Scranton, Pa. Pennsylvania Meat and Bone Scraps (2114)	50.69	50.00	13.47	8.00	2.17	3.00	As Certified
PITTSBURGH MELTING CO., Pittsburgh, Pa. Steel City Meat and Bone Scrap (1607; 1935)	54.15	50.00	11.27	5.00	1.39	3.00	As Certified



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MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
PITTSBURGH PROVISION & PACKING CO., Pittsburgh, Pa. Keystone Beef Scrap (1892)	57.63	50.00	10.57	3.00	1.60	3.00	As Certified
READING BONE FERTILIZER CO., Reading, Pa. Reading Meat Meal (1292; 2310)	52.18	50.00	11.71	10.00	1.23	1.00	As Certified
ROBERT A. REICHARD, INC., Allantown, Pa. Reichard's 50% Beef Scrap (2321)	48.25	50.00	10.64	6.00	1.24	3.00	As Certified
SHENANDOAH ABATTOIR CO., Shenandoah, Pa. Meat Scrap (1899)	55.50	55.00	11.69	12.00	1.10	2.00	As Certified
M. L. SHOEMAKER & CO., INC., Philadelphia, Pa. Shoemaker's Swift-Sure Ground Beef Scrap (1552)	57.50	55.00	9.08	6.00	2.20	3.00	As Certified
Shoemaker's Swift Sure Ground Meat and Bone Scrap (1852; 1914)	52.09	50.00	12.08	6.00	1.87	3.00	As Certified
Shoemaker's Swift Sure Special Prepared Feeding Bone Meal (1856)	6.44	6.00	0.52	1.00	1.15	2.00	As Certified
SICKLER FERTILIZER WORKS, Wilkes-Barre, Pa. Sickler's Poultry Meat and Bone Scrap (1659)	53.56	50.00	13.38	10.00	1.36	3.00	As Certified
JOHN T. STANLEY & CO., New York, N.Y. Stanley's 45% Meat and Bone Scrap for Poultry (1293; 1819; 1871; 1990)	49.40	45.00	11.06	10.00	1.73	3.00	As Certified
S. STRUNZ & SON, INC., Pittsburgh, Pa. Moregge Meat and Bone Scrap (1347; 1565)	51.66	50.00	11.20	8.00	1.57	3.00	As Certified
SWIFT & CO., Newark, N. J. Swift's Laymore Scrap (1820)	47.00	45.00	10.32	6.00	1.89	3.00	As Certified
WILSON & CO., INC., New York, N. Y. Red W Brand Meat Scraps (1823)	54.69	55.00	10.89	6.00	1.08	3.00	As Certified
THE YOUNGSTOWN HIDE & TALLOW CO., Youngstown, Ohio Penn Ohio Meat Scraps (2096)	52.31	50.00	9.99	5.00	1.69	3.00	As Certified
Average	50.06	----	10.55	----	1.57	----	
<u>BLOOD</u>							
SWIFT & CO., Chicago, Ill. Swift's Blood Flour (1821)	86.13	80.00	0.19	----	0.28	3.00	As Certified
<u>TANKAGE</u>							
GEO. LAMPARTERS' SONS, Lancaster, Pa. Red Rose Hog Tankage (1553)	61.13	55.00	8.65	8.00	1.02	2.25	As Certified
<u>MARINE PRODUCTS</u>							
<u>FISH MEAL</u>							
CONTINENTAL FEED CO., Baltimore, Md. Conto Brand 60% Fish Meal (2319)	59.81	60.00	6.80	5.00	0.72	2.00	As Certified
EAST COAST TRADING CO., Baltimore, Md. East Coast Fish Meal Mixture (1297)	56.75	55.00	4.08	5.00	2.05	2.00	As Certified
FLAG FISH CO., INC., New York, N. Y. Flag Fish Meal (1889)	64.31	65.00	4.77	3.00	0.94	Trace	As Certified
MUTUAL RENDERING CO., Philadelphia, Pa. 55% Mureco Fish Meal (2271)	54.63	55.00	7.05	6.00	1.02	2.00	As Certified
RONCK & BEVIS CO., Philadelphia, Pa. Ro Be Fish Meal (1921; 2144; 2178)	62.60	55.00	8.90	5.00	0.52	3.00	As Certified
CHAS. M. STRUVENS CO., Baltimore, Md. Struven's Fish Meal (1336)	55.69	55.00	10.53	4.00	0.81	2.00	As Certified
Average	59.84	----	7.49	----	0.89	----	
<u>CRAB MEAL</u>							
RONCK & BEVIS CO., Philadelphia, Pa. Ro Be Crab Meal for Feeding Purposes (1920)	42.44	31.00	3.94	----	7.96	----	As Certified

